

# PUNJAB PUBLIC SERVICE COMMISSION

Objective Type Test (Sept-2023) for Recruitment to the Post of Assistant Town Planner  
(Group A) in the Department of Local Government (Municipal Corporation),  
Government of Punjab

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

Total Questions: 120  
Time Allowed: 2 Hours

Candidate's Name \_\_\_\_\_

Father's Name \_\_\_\_\_

Date of Birth          
DD MM YYYY

OMR Response Sheet No. \_\_\_\_\_

Roll No. \_\_\_\_\_

Candidate's Signature (Please sign in the box)

Question  
Booklet Set

A

Booklet Series

## INSTRUCTIONS

1. The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant boxes out of 1 to 9 of the Optical Mark Reader (OMR) response sheet, supplied separately.
2. Use only blue or black **ball point pen** to fill the relevant columns on this page as well as in OMR sheet. Use of Ink pen or any other pen is not allowed.
3. The candidate shall be liable for any adverse effect if the information given above is wrong or illegible or incomplete.
4. Each candidate is required to attempt 120 questions in 120 minutes, except for orthopedically/visually impaired candidates, who would be given 40 extra minutes, for marking correct responses on the OMR sheet.
5. The question paper booklet has 25 pages.
6. The candidates, when allowed to open the question paper booklet, must first check the entire booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should IMMEDIATELY bring this fact to the notice of the Invigilation Staff and obtain a new booklet of the same series as given earlier.
7. The serial number of the new Question booklet if issued for some reason should be entered in the relevant column of the OMR. The Invigilation Staff must make necessary corrections in their record regarding the change in the serial no. of Question booklet.
8. The paper consists of total 480 Marks. Each question shall carry 4 marks. There are four options for each question and the candidate has to mark the MOST APPROPRIATE answer on the OMR response sheet.
9. There is negative marking (1 mark for each question) for questions wrongly answered by the candidate.
10. Use of Electronic/Manual Calculator is prohibited.
11. The candidate MUST READ INSTRUCTIONS BEHIND THE OMR SHEET before answering the questions and check that two carbon copies attached to the OMR sheet are intact.

- 1 Which of the following is the Bow shaped town plan as per Mansara Shilpa-shastra?
  - a) Dandaka
  - b) Karmukha
  - c) Padmaka
  - d) Prastara
- 2 Mohenjo-Daro is based on which of the following patterns?
  - a) Grid- Iron Pattern
  - b) Concentric
  - c) Radial
  - d) Linear
- 3 To plan a town or urban area, there has to be a survey done to understand the various aspects; which is quoted as “Survey before Plan”. Who said this?
  - a) Lewis Mumford
  - b) Sir Ebenezer Howard
  - c) Vitruvius
  - d) Sir Patrick Geddes
- 4 What is per hectare per day fire-fighting water station demand for commercial area?
  - a) 1800 liters
  - b) 3600 liters
  - c) 45000 liters
  - d) 22500 liters
- 5 What is a minimum longitudinal gradient of percent necessary to facilitate flow of water in side drains?
  - a) 0.3%
  - b) 3.0%
  - c) 30.0%
  - d) 30.3%
- 6 As per Zoning regulations, which of the following activities are restricted in commercial zones?
  - a) Taxi Stand
  - b) Railway Yard
  - c) Pet clinic
  - d) Warehousing and covered storage

- 7 In Planning System, Master Plan is associated with which of the Core area of planning?
- Perspective Plan
  - Regional Plan
  - Development Plan
  - Local Area Plan
- 8 Match the characteristics in List I with the type of settlements in List II as given in URDPFI Guidelines 2015, Government of India and choose the correct option from the codes given below the lists:

List I

(P) Towns that are notified under law by the concerned State/UT Government and have local bodies like Municipal Corporations, Municipalities, Municipal Committees, etc.

(Q) Towns having potential for investment and development; identified on the basis of their inter-aerial relationship with the regional nodal centre

(R) Settlements that are growing sub-nodal centres but located out of the direct functionally linked areas of the growth node / nodal centre in the region

(S) Zones of transition from rural to urban land uses located between the outer limits of urban and regional centres and the rural environment

List II

- (1) Counter-Magnets
- (2) Peri-Urban Areas
- (3) Priority Towns
- (4) Statutory Towns

Code:

|      | P | Q | R | S |
|------|---|---|---|---|
| a) 4 | 3 | 1 | 2 |   |
| b) 3 | 1 | 4 | 2 |   |
| c) 4 | 1 | 2 | 3 |   |
| d) 1 | 2 | 3 | 4 |   |

- 9 What is the scale of Maps for Planning Metropolitan Regional Plan according to URDPFI?
- 1:25,000 – 1:10,000
  - 1:50,000 – 1:35,000
  - 1:10,000 – 1:8,000
  - 1:50,000 – 1:25,000

- 10 Which among the following is not an element of ekistics?
- a) Man
  - b) Shells
  - c) Culture
  - d) Nature
- 11 “Structured social inequality in a given society leading to division into groups” is often called
- a) Social change
  - b) Social problem
  - c) Socialization
  - d) Social stratification
- 12 With respect to Foreign trade, an area where trade barriers (both tariff and non-tariff) are removed is called a \_\_\_\_\_
- a) Special Economic Zone (SEZ)
  - b) Free Trade Area (FTA)
  - c) Preferential Trade Area (PTA)
  - d) Economic Union
- 13 Rearrange the following steps of planning formulation:
- 1) Plan implementation
  - 2) Monitoring
  - 3) Evaluation & review
  - 4) Development of aims and objectives
- a) 3-4-1-2
  - b) 4-1-2-3
  - c) 4-2-1-3
  - d) 4-3-2-1
- 14 Which of the following is NOT one of the basic objectives of National Urban Sanitation Policy, 2008?
- a) Sewage treatment must be integrated along with its billing
  - b) Cities must be open defecation free
  - c) Elimination of the practice of manual scavenging
  - d) Improved public health outcomes and environmental standards

- 15 What should urban roadway systems consist of to serve various transportation modes?
- a) Only streets and highways for automobiles and trucks.
  - b) Only transit routes for public transportation.
  - c) A multimodal network of streets and highways serving automobiles, trucks, transit, bicyclists, and pedestrians.
  - d) Only pedestrian walkways and bicycle lanes.
- 16 What is one of the major options available to transportation planners to address constraints in adding additional capacity to the highway network in metropolitan areas?
- a) Building more highways and roads
  - b) Implementing Transportation Demand Management (TDM) strategies
  - c) Expanding public transportation networks only
  - d) Encouraging carpooling and ridesharing services only
- 17 Under PMAY-U, what does the term "in-situ slum redevelopment" refer to?
- a) Relocating slum dwellers to affordable housing projects in the outskirts of the city
  - b) Upgrading and redeveloping existing slums without displacing the residents
  - c) Demolishing slums and constructing high-rise buildings in the same location
  - d) Providing financial assistance to slum dwellers for purchasing new homes
- 18 What is the target beneficiaries' category for slum development under PMAY-U?
- a) Only BPL (Below Poverty Line) families residing in slums
  - b) All residents of slums, regardless of income level
  - c) Only the elderly and differently abled individuals in slums
  - d) Slum dwellers who own land and can invest in redevelopment
- 19 Which is the first In-Situ Slum Redevelopment project done by the Delhi Development Authority in Delhi under PPP mode?
- a) Kalkaji Extension
  - b) Kusumpur Pahari
  - c) Seemapuri Slum
  - d) Kathputli Colony

- 20 \_\_\_\_\_ aimed at providing subsidies for construction of housing and sanitation for urban slum dwellers living below poverty line in different towns/cities all over the country.
- Pradhan Mantri Awas Yojana (PMAY)
  - Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA)
  - The Valmiki Ambedkar Awas Yojana (VAMBAY)
  - Integrated Housing and Slum Development Programme (IHSDP)
- 21 As per the National Urban Housing and Habitat Policy 2007, How much percentage of Floor Area Ratio is reserved for EWS/LIG in the spatial incentives section?
- 5-10%
  - 10-15%
  - 15-20%
  - 20-25%
- 22 The SI unit of Energy Performance Index (EPI) as per ECBC norms is \_\_\_\_\_
- Kilo-watt-hours
  - Kilo-watts
  - Kilo-watt-hours/m
  - Kilo-watt-hours/square meter
- 23 As per the Energy Conservation and Building Code 2017, Evaporative cooling is identified as:
- Low-Energy Comfort System
  - High-Energy Comfort System
  - Passive Cooling system
  - It doesn't exist in the code
- 24 Match List I with List II and choose the correct option from the codes given below the lists
- |  | List I                         | List II          |
|--|--------------------------------|------------------|
|  | (Green Building rating System) | (Parent Country) |
|  | P. CASBEE                      | 1. USA           |
|  | Q. BREEAM                      | 2. UK            |
|  | R. LEED                        | 3. India         |
|  | S. GRIHA                       | 4. Japan         |
- Code:
- |      | P | Q | R | S |
|------|---|---|---|---|
| a) 4 | 2 | 1 | 3 |   |
| b) 1 | 4 | 2 | 3 |   |
| c) 2 | 1 | 4 | 3 |   |
| d) 3 | 1 | 4 | 2 |   |

- 25 According to the URDPFI Guidelines, 2014, what percentage of the developable area is proposed for industrial land use structure in industrial towns?
- a) 30-35
  - b) 25-30
  - c) 35-40
  - d) 40-45
- 26 Wastewater from food processing industry are often screened and treated through:
- a) Oxidation ponds
  - b) Intermittent filters
  - c) Septic tanks
  - d) Filtration Pit
- 27 Which of the following activities belong to the primary sector of the economy?
- a) Construction
  - b) Manufacturing
  - c) Public Administration
  - d) Mining & quarrying
- 28 The volume reduction in solid waste in "Bio methanation" is:
- a) 20-30%
  - b) 40-50%
  - c) 55-65%
  - d) 70-80%
- 29 What is the Acceptable limit of Total dissolved solids (TDS) for drinking water?
- a) 500 mg/l
  - b) 2000 mg/l
  - c) 200 mg/l
  - d) 1000 mg/l
- 30 Which Fifth Year Plan emphasized the need for Regional Planning in economic development?
- a) First Fifth Year Plan
  - b) Second Fifth Year Plan
  - c) Third Fifth Year Plan
  - d) Fourth Fifth Year Plan

- 31 According to URDPFI guidelines, range of population served for Integrated School with hostel facility (Class I-XII) is
- a) 45,000 -50,000
  - b) 50,000 – 65 lakh
  - c) 1 lakh to 1.2 lakh
  - d) 90,000 – 1 lakh
- 32 The term Conurbation was coined by:
- a) Lewis Mumford
  - b) Patrick Geddes
  - c) Le Corbusier
  - d) Ebenezer Howard
- 33 The overall density of population of a settlement is the ratio between:
- a) Total population to total built-up area
  - b) Adult population to total built- up area
  - c) Total population to total residential area
  - d) Total population to total area
- 34 The Master Plan for modern Bhubaneswar City was prepared by \_\_\_\_\_
- a) Le- Corbusier
  - b) Otto Koenigsberger
  - c) Lingaraj Prasad Patnaik
  - d) Ludwig Karl Hilberseimer
- 35 Which of the following is an Indian portal catering to requirements of satellite imagery?
- a) Gagan
  - b) Glonass
  - c) Bhuvan
  - d) Galileo
- 36 The UN World Commission on Environment and Development is also known as:
- a) Hoover Commission
  - b) The Brundtland Commission
  - c) The Green Commission
  - d) The Hope Commission



- 37 An aircraft flying at an altitude of 5000 m above mean sea level takes aerial photographs of a flat terrain having an average elevation of 1000 m above mean sea level. The scale of photographs is 1:20000. Then the area covered on ground (in hectare) by each photo format of 18 cm x 18 cm is
- a) 1266
  - b) 1276
  - c) 1286
  - d) 1296
- 38 Plan within the plan " refers to:
- a) Incremental Planning approach
  - b) Rationalistic Planning approach
  - c) Equity Planning approach
  - d) Middle Range Planning approach
- 39 Various levels of shopping facilities in urban settlements as stipulated by the National Building Code, 2005 are
- a) convenient shops, cluster centre, sector centre, community centre, district centre
  - b) informal shops, formal shops, general retail service and repairs, wholesale
  - c) petty shopping, cluster shopping, community centre, district centre, central business district
  - d) convenient shopping, local shopping, community centre, district centre, local wholesale market
- 40 In PIEV theory of transportation, "P" "I" "E" "V" stands for
- a) Passenger, Intermediate, Elevation and Volume
  - b) Population, Imagination, Exact Location and Volition
  - c) Perception, Intellection, Emotion and Volition
  - d) Public, Inspiration, Entertainment and Venue
- 41 What would be the area of a neighbourhood if it is to be within walk-able distance of 400 m radius?
- a) Approximately 151 acres
  - b) Approximately 224 acres
  - c) Approximately 124 acres
  - d) Approximately 102 acres
- 42 External Cordon Survey and Internal Cordon Survey are techniques for conducting
- a) Environmental survey
  - b) Socio-economic survey
  - c) Traffic survey
  - d) Income survey

- 43 What is the Passenger Car Unit (PCU) value of a motorcycle?
- a) 1
  - b) 0.2
  - c) 0.3
  - d) 0.5
- 44 In the context of urban transport, 'bottlenecks' refers to:
- a) A portion of road with lowest capacity along the route
  - b) An unregulated traffic junction
  - c) A road with excessively high traffic
  - d) A road with railway crossing
- 45 Which of the following represents traffic volume from one key area to another in a desire line map?
- a) Dark line
  - b) Circles
  - c) Triangles
  - d) Dots
- 46 The housing stock of the town has a total number of 12000 dwelling units. The present population of the town is 80000. Assuming the average household size of 5, the housing shortage in percentage is:
- a) 25
  - b) 15
  - c) 20
  - d) 22
- 47 A housing complex has 250 units of 80 sq.m each and 200 units of 100 sq.m each. If the mandatory parking requirement is one car per 100 square meter of built space, then the total no of car parking is \_\_\_\_\_ cars.
- a) 400
  - b) 300
  - c) 200
  - d) 600
- 48 For the Rural Water Supply Schemes, for providing domestic requirements, the norm adopted is :
- a) 40 lpcd
  - b) 70 lpcd
  - c) 80 lpcd
  - d) 100 lpcd

- 49 Match List I (Standard Safety Colour Code) with List II (Usage) and choose the correct option from the codes given below the lists:

| List I    | List II                      |
|-----------|------------------------------|
| P. Blue   | 1. Biodegradable waste       |
| Q. Green  | 2. Fire protection equipment |
| R. Red    | 3. Recyclable waste          |
| S. Yellow | 4. Stumbling against hazards |
|           | 5. Radiation standards       |

Code:

- |      |   |   |   |
|------|---|---|---|
| P    | Q | R | S |
| a) 3 | 1 | 2 | 4 |
| b) 3 | 4 | 5 | 1 |
| c) 1 | 3 | 2 | 5 |
| d) 1 | 5 | 2 | 4 |
- 50 SCADA is an advanced technology used in several cities. In which of the following sector does it find its application?
- a) Centralised heating and cooling
  - b) Water supply and sewage management
  - c) Transportation planning
  - d) GIS and remote sensing
- 51 A waste water pipe connecting two inspection chambers (IC) is laid at a slope of 1:200. The Invert Level of the starting IC is -450 mm. The Invert level of the second pit at a distance of 40 m from the first IC is
- a) -550 mm
  - b) -200 mm
  - c) -650 mm
  - d) -250 mm
- 52 Under the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013, how much original period is stipulated for declaring award from the date of publication of declaration under section 19 of the Act?
- a) six months
  - b) twelve months
  - c) eighteen months
  - d) twenty-four months

- 53 Which schedule of the 74th Constitutional Amendment Act 1992 refers to "Preparation of five-year development Plans as a mandatory service of the Urban Local Bodies?
- a) 10th Schedule
  - b) 11th Schedule
  - c) 12th Schedule
  - d) 13th Schedule
- 54 Liquidated damage refers to the
- a) Cost borne by the contractor to rectify the defects within Defect-Liability Period
  - b) Compensation paid on breach of contract to the affected party by the other party
  - c) Money paid by the insurance company to the owner of insured property if it is damaged
  - d) Money earned by the owner from selling damaged property through auction
- 55 Integrated Township area shall not include the area under
- a) Residential zone
  - b) Notified forest area
  - c) Commercial zone
  - d) Agricultural zone
- 56 Punjab Urban Planning and Development Authority was established in the year
- a) 1996
  - b) 1997
  - c) 1995
  - d) 1999
- 57 In multi-storey projects, which of the following can be used to build more floor area than the permissible FSI?
- a) FSI/FAR optimization
  - b) Temporary structure above the permissible height limit
  - c) Building a basement/ stilt/ underground parking
  - d) TDR certificate
- 58 Which Indian city is often referred to as the "Garden City" due to its emphasis on urban green spaces and planning?
- a) Mumbai
  - b) New Delhi
  - c) Bengaluru
  - d) Kolkata

- 59 What is the primary goal of "new urbanism"?
- a) Promoting large-scale industrial development
  - b) Encouraging suburban sprawl
  - c) Creating walkable and sustainable urban neighbourhoods
  - d) Focusing exclusively on high-rise building construction
- 60 In transportation planning, "Complete Streets" aim to:
- a) Reduce the number of streets within a city
  - b) Prioritize pedestrian safety over vehicle traffic over
  - c) Streets having mixed land use , complete with landscaping, street furniture and Disabled friendly design features
  - d) Design streets for safe use by all modes of transportation, including pedestrians and cyclists
- 61 The "Population Pyramid" graphically represents:
- a) Total population of a country
  - b) Birth rates only
  - c) Age and gender distribution of a population
  - d) Urban and rural population distribution
- 62 The "Triple Bottom Line" concept in sustainable development refers to:
- a) Balancing economic, social, and environmental considerations
  - b) Prioritizing environmental preservation of flora and fauna in all biomes
  - c) Focusing on economic growth, capital accumulation and expenditures
  - d) Ignoring parity in favour of environmental goals and social equity
- 63 What is the primary goal of "Resilient Urban Planning"?
- a) Maximizing economic growth by providing excellent infrastructures
  - b) Prioritizing disaster management along with aesthetics in city design
  - c) Expanding urban sprawl and giving a roof to everyone
  - d) Strengthening a city's ability to adapt to shocks and stresses
- 64 The concept of "Regenerative Urbanism" focuses on:
- a) Creating cities that actively contribute to environmental restoration and renewal
  - b) Designing cities for rapid growth and expansion catering to increasing population
  - c) Exploiting natural resources for short-term economic gains
  - d) Prioritizing aesthetics over functionality in urban design

- 65 The Smart Cities Mission aims to:
- a) Concentrate urban development exclusively in existing metropolitan areas
  - b) Develop only large cities as smart cities
  - c) Promote technological innovation and improve infrastructure in select cities
  - d) Neglect the ecology and environment in urban planning
- 66 The National Urban Information System (NUIS) focuses on:
- a) Enhancing the collection and dissemination of urban data for effective planning
  - b) Policing on people through collection of data
  - c) Collecting personal information of urban residents
  - d) Promoting information collection about informal urban settlements
- 67 The Atal Mission for Rejuvenation and Urban Transformation (AMRUT) aims to:
- a) Providing urban infrastructure development entirely in Old City Fabrics
  - b) Ensure basic infrastructure services and improve quality of life in cities
  - c) Support development in rural areas
  - d) Exclusively focus on industrial growth within urban areas
- 68 "Variable Message Signs" (VMS) are used for:
- a) Displaying real-time information and alerts to drivers
  - b) Providing excessive information to drivers
  - c) Countering traffic mis-management around schools
  - d) Promoting billboard advertisements
- 69 ECBC covers which aspects of building design and operation?
- a) Ignoring lighting and ventilation
  - b) Only promoting renewable energy sources
  - c) Exclusively focusing on exterior aesthetics
  - d) Energy performance, lighting, HVAC, and building envelope
- 70 GRIHA ratings are based on a scale of:
- a) 1 to 10
  - b) Only pass or fail
  - c) 1 to 100
  - d) Exclusively 5 levels

- 71 Which of the following building materials has the lowest embodied carbon?
- a) Rammed Earth
  - b) Steel
  - c) Reinforced Concrete
  - d) Glass
- 72 "Cluster Development" in industrial estate planning refers to:
- a) Ignoring the grouping of similar industries with less than 5KW load
  - b) Exclusively promoting individual standalone factories
  - c) Concentrating related industries in close proximity for synergies and resource sharing
  - d) Promoting isolated industries with higher than 5KW load
- 73 "Bioremediation" is a waste treatment process that:
- a) Mitigates environmental concerns of waste through chemical processes
  - b) Uses microorganisms to break down or neutralize pollutants in waste
  - c) Promotes landfilling of waste
  - d) Exclusively focuses on waste incineration
- 74 The "One Water" approach emphasizes:
- a) Integrating the management of all water sources for sustainability
  - b) Separating water sources for different uses
  - c) Exclusively focusing on drinking water supply
  - d) Promoting storm water management
- 75 The 73rd Amendment reserves seats for which category in Panchayats?
- a) Scheduled Castes (SC)
  - b) General category
  - c) Religious minorities
  - d) Foreign nationals
- 76 As per National Urban Housing and Habitat Policy 2007, States/UTs are advised to develop \_\_\_\_\_ with emphasis on EWS and LIG sectors
- a) 5 years perspective Housing Plans
  - b) 10 years perspective Housing Plans
  - c) 20 years perspective Housing Plans
  - d) None of the above

- 77 What amount of Central Assistance per EWS house is provided by the Government of India under AHP in PMAY(U).
- a) 5 Lakh
  - b) 3 Lakh
  - c) 1.5 Lakh
  - d) 1 Lakh
- 78 To provide long term finance for construction of houses for residential purposes & undertake housing and urban development programmes in the country is one of the main objectives of which of the following Public Limited Company?
- a) LIC
  - b) NBCC
  - c) HUDCO
  - d) None of the above
- 79 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) The lowest hierarchy street within residential zone of Master Plan shall be minimum 40 feet or 12 meters wide
  - b) The lowest hierarchy street within residential zone of Master Plan shall be minimum 30 feet or 9 meters wide
  - c) The lowest hierarchy street within residential zone of Master Plan shall be minimum 20 feet or 6 meters wide
  - d) None of the above
- 80 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 80'-0" and above shall have 'No construction zone of 5 meter from the proposed Right of Way after leaving land for road widening, if only
  - b) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 40'-0" and above shall have 'No construction zone of 2.5 meter from the proposed ROW after leaving land for road widening, if any
  - c) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 120'-0" and above shall have 'No construction zone of 7.5 meter from the proposed Right of Way after leaving land for road widening, if only
  - d) None of the above
- 81 High rise building as per NBC means
- a) A building 15m or below in height
  - b) A building 15m or above in height
  - c) A building 25m or above in height
  - d) A building 50 m or above in height



- 82 The dimensions of a rectangular settling tank are  $L=25$  m,  $B=6$  m,  $H=3$  m. If the detention time recommended for the tank is 2hr, find the rate of flow of sewage per hour
- a) 225 /hr
  - b) 215 /hr
  - c) 220 /hr
  - d) 224 /hr
- 83 What is the name of the Landform having deep valleys with very steep to straight sides?
- a) Canyon
  - b) Plunge Pools
  - c) Entrenched Meanders
  - d) Gorges
- 84 According to BIS, what is the acceptable limit of Fluoride in drinking water?
- a) 1.0 mg/l
  - b) 2.0 mg/l
  - c) 2.5 mg/l
  - d) 3.0 mg/l
- 85 According to draft EIA 2020, the projects are classified into
- a) Category A, Category B and Category C
  - b) Category A1, Category A2 and Category B1
  - c) Category A, Category B1 and Category B2
  - d) Category A1, Category A2 and Category A3
- 86 As per the 12th Schedule of the 74th Constitutional Amendment Act, the Urban Planning is a function of
- a) Panchayat Raj Institutions
  - b) Urban Local Bodies
  - c) Development Authorities
  - d) Town Planning Department
- 87 For the design of sewers in India, the percentage of sewage discharge is assumed as:
- a) 25-30% of water supplied from water works
  - b) 75-80% of water supplied from water works
  - c) 50% of water supplied from water works
  - d) 100% of water supplied from water works

- 88 Which Sustainable Development Goal (SDG) is related to No Poverty?
- a) Goal 1
  - b) Goal 5
  - c) Goal 6
  - d) Goal 12
- 89 A 20 cm line on a map in 1:4500 scale represents an actual dimension of
- a) 900 m
  - b) 900 cm
  - c) 9000 m
  - d) 9000 cm
- 90 “Summit Curve” in planning is associated with
- a) Population projection
  - b) Land use
  - c) Roads and flyovers
  - d) Density
- 91 Consider the following statements:
- The Attorney General of India can
- 1. Take part in the proceedings of the Lok Sabha
  - 2. Be a member of a committee of the Lok Sabha
  - 3. Speak in the Lok Sabha
  - 4. Vote in the Lok Sabha
- Which of the statements given above is/ are correct?
- a) 1 only
  - b) 1 and 3 only
  - c) 2 and 4 only
  - d) 1, 2 and 3 only
- 92 The largest river system in peninsular India is
- a) Tapti
  - b) Narmada
  - c) Godavari
  - d) Kavery

- 93 Weather, including turbulent wind, storms, and most clouds, occur in which layer/s of the atmosphere?
1. Troposphere
  2. Stratosphere
  3. Mesosphere
  4. Thermosphere

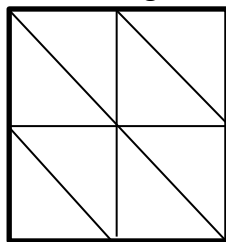
Which of the statement/s given above is/are correct?

- a) 1 only
  - b) 1 and 3 only
  - c) 1 and 2, and 3 only
  - d) 1, 2, 3 and 4 only
- 94 ICAR has signed a MoU with which company, for guiding the farmers on scientific cultivation of different crops?
- a) Microsoft
  - b) Google Maps
  - c) Amazon Kisan
  - d) Future Generali
- 95 Consider the following statements:
- Statement I : Heavy water (Deuterium Oxide) is used as Moderator and coolant in the Nuclear power generation.
- Statement II: U-235, U-233, Plutonium-239 and Thorium are used as fuel in Nuclear reactor.
- Which of the above statement(s) is/are correct?
- a) only I
  - b) only II
  - c) Neither I nor II
  - d) Both I and II
- 96 When was the “Prohibition of Employment as Manual Scavengers and their Rehabilitation Act” enacted in India?
- a) 2000
  - b) 2005
  - c) 2010
  - d) 2013
- 97 Which state has the top access to safe drinking water in India?
- a) Tamil Nadu
  - b) West Bengal
  - c) Punjab
  - d) Bihar

- 98 With reference to Indo – Islamic Architecture, which of the following were used as a construction material?
- I. Dressed stone
  - II. Quartzite
  - III. Sandstone
  - IV. Buff

Select the correct option

- a) 1,2,4
  - b) 2,3,4
  - c) 1,2,3
  - d) 1,2,3 and 4
- 99 Where did Shri Guru Gobind Singh Ji meet Banda Bahadur for the first time?
- a) Agra
  - b) Anandpur Sahib
  - c) Nanded
  - d) Chamkaur
- 100 The Satyarth Prakash was written by:
- a) Raja Ram Mohan Roy
  - b) Swami Dayanand Saraswati
  - c) Lala Lajpat Rai
  - d) Pandit Shraddha Ram Phillauri
- 101 In a certain code language,  
'134' means 'come and go';  
'478' means 'you come tomorrow' and  
'729' means 'tomorrow is monday'.  
Which of the following digits stands for 'you'?
- a) 9
  - b) 2
  - c) 1
  - d) 8
- 102 What is the number of triangles in the following figure?



- a) 8
- b) 10
- c) 12
- d) 14

103 Find x in the following:

|   |   |   |   |
|---|---|---|---|
| 1 | x | 2 | 8 |
| 3 | 7 | 3 | 2 |
| 2 | 3 | 8 | 2 |
| 9 | 1 | 2 | 3 |

- a) 1
  - b) 2
  - c) 3
  - d) 4
- 104 Looking at a portrait of a woman, Ramesh said, "Her mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Ramesh looking?
- a) His aunt
  - b) His Daughter
  - c) His niece
  - d) His cousin
- 105 In the new budget, the price of kerosene oil rose by 75%. By how much percent (approx.) must a person reduce his consumption so that his expenditure on it does not increase?
- a) 50%
  - b) 75%
  - c) 43%
  - d) 20%
- 106 Archers 'A' and 'B' take aim at a target. If the probability of 'A' hitting the target is 50 % and of B missing the target is 50 %. What is the probability that both 'A' and 'B' miss the target?
- a) 50%
  - b) 90%
  - c) 25%
  - d) 75%
- 107 Naman purchased 80 fans and sold them. If the cost price of 80 fans is same as selling price of p fans, find p if the profit percent is 25%?
- a) 68
  - b) 64
  - c) 56
  - d) 58

108 A man lent Rs.2500, part of this at 4.5% and the rest at 5.5% per annum simple interest. The whole annual interest amounted to Rs. 127.5. How much did he lend at 5.5%?

- a) Rs. 1200
- b) Rs. 1100
- c) Rs. 1000
- d) Rs. 1500

109 Select the correct analogy of

STUBBORN: OBSTINATE

- a) mulish: tractable
- b) trepidation: confident
- c) impecunious: penny
- d) gloomy: morose

110 A city poll of the community showed that 88 percent of respondents believe that an appropriate amount of the city budget is being spent on parks and recreation. It seems, then, that any significant increase in the city budget should be spent on something other than parks and recreation.

Which one of the following describes a flaw in reasoning in the above argument?

- a) The argument confuses the percentage of the budget spent on parks and recreation with the amount of money spent on parks and recreation.
- b) The argument does not justify its presumption that what is true of a portion of the budget also applies to the total budget.
- c) The argument fails to consider that less money could be spent and a significant percentage of the community would still find that amount to be appropriate.
- d) The argument fails to consider that if more money from the budget were spent on parks and recreation, then an even larger percentage of the community might approve of that use of the budget.

111 ‘\_\_\_\_\_ ਦੀ ਜੁੱਤੀ ਮਾਰਨੀ’ ਮੁਹਾਵਰਾ ਪੂਰਾ ਕਰੋ:

- a) ਲੱਕੜ
- b) ਰਬੜ
- c) ਚਾਂਦੀ
- d) ਮੁਫਤ

- 112 ਸੁੱਧ-ਅਸੁੱਧ ਦਾ ਸਹੀ ਜੋੜਾ ਚੁਣੋ:
- a) ਅੰਮਰਿਤ/ਅੰਮਰਤ
  - b) ਸੁਨੈਰੀ/ਸੁਨਹੈਰੀ
  - c) ਸੋਹਰਾ/ਸੁਹਰਾ
  - d) ਜੇਹੜਾ/ਜਿਹੜਾ
- 113 ਕਿਹੜਾ ਸ਼ਬਦ 'ਸਤਿ' ਅਗੇਤਰ ਨਾਲ ਨਹੀਂ ਬਣਿਆ:
- a) ਸਤਿਸੰਗ
  - b) ਸਤਿਪ੍ਰਕਾਸ਼
  - c) ਸਤਿਨਾਮ
  - d) ਸਤਿਆ
- 114 'ਤੂੰ ਘਰ ਗਿਆ ਸੀ ਤਾਂ ਮੈਨੂੰ ਦੱਸਿਆ ਕਿਉਂ ਨਹੀਂ\_\_' ਵਾਕ ਨਾਲ ਸਹੀ ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹ ਲਗਾਓ:
- a) ?
  - b) !
  - c) .
  - d) |
- 115 'Etymology' ਦਾ ਭਾਵ ਹੈ:
- a) ਗਿਆਨ-ਵਿਗਿਆਨ
  - b) ਨਿਰੁਕਤੀ
  - c) ਅਰਥ-ਵਿਗਿਆਨ
  - d) ਗਿਆਨ
- 116 ਤਿੰਨ ਮਹੀਨਿਆਂ ਦੇ ਲਈ ਪੰਜਾਬੀ ਵਿੱਚ ਵਰਤਿਆ ਜਾਣ ਵਾਲਾ ਸ਼ਬਦ ਹੈ:
- a) ਤਿਮਾਹੀ
  - b) ਤਿੰਨ ਮਾਹੀ
  - c) ਤਿਨ ਮਾਸਿਕ
  - d) ਤ੍ਰੈਮਾਹੀਆ
- 117 ਬੱਚਾ ਤੁਰਦਾ ਤੁਰਦਾ ਐਵੇਂ ਹੀ ਇੱਧਰ ਆ ਗਿਆ ' ਵਾਕ ਵਿੱਚ 'ਐਵੇਂ ਹੀ ' ਕਿਸ ਦਾ ਪ੍ਰਕਾਰ ਹੈ -
- a) ਅਨਿਸਚੇ ਵਾਚਕ ਪੜਨਾਂਵ
  - b) ਨਿਰਣਾ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ
  - c) ਨਿਸਚੇ ਵਾਚਕ ਵਿਸ਼ੇਸ਼ਣ
  - d) ਪ੍ਰਕਾਰ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ

- 118 ਮਹਾਂਭਾਰਤ ਕਾਲ ਵਿੱਚ ਪੰਜਾਬ ਨੂੰ \_\_\_\_\_ ਕਿਹਾ ਜਾਂਦਾ ਸੀ:
- a) ਪੈਂਟਾਪੋਟੇਮੀਆ
  - b) ਪੰਚਨਦ
  - c) ਪੰਜ-ਆਬ
  - d) ਸੱਪਤ-ਸਿੰਧਵਾ
- 119 ਵਿਆਹ ਵਿੱਚ ਸ਼ਾਮਲ ਹੋਣ ਲਈ ਸਾਕ-ਸੰਬੰਧੀਆਂ ਨੂੰ ਸੱਦਾ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਅਤੇ ਭਾਈਚਾਰੇ ਵਿੱਚ ਗੂੜ੍ਹ ਜਾਂ ਖੰਡ ਦੀ ਭਾਜੀ ਵੰਡੀ ਜਾਂਦੀ ਹੈ ' ਇਸ ਰਸਮ ਨੂੰ ..... ਆਖਦੇ ਹਨ:
- a) ਠਾਕਾ
  - b) ਸਾਹਾ ਕਢਵਾਣਾ
  - c) ਘਰ ਵਪਾਣਾ
  - d) ਗੰਢ ਫੇਰਨਾ
- 120 ਸਰਕਾਰੀ ਦਫਤਰਾਂ ਵਿੱਚ ਭਾਸ਼ਾ ਦਾ ਕਿਹੜਾ ਰੂਪ ਵਰਤਿਆ ਜਾਂਦਾ ਹੈ?
- a) ਉਪਭਾਸ਼ਾਈ
  - b) ਟਕਸਾਲੀ
  - c) ਪਿਜ਼ਿਨ
  - d) ਕਿਰਿਓਲ

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# **SPACE FOR ROUGH WORK**

# PUNJAB PUBLIC SERVICE COMMISSION

Objective Type Test (Sept-2023) for Recruitment to the Post of Assistant Town Planner  
(Group A) in the Department of Local Government (Municipal Corporation),  
Government of Punjab

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

Total Questions: 120  
Time Allowed: 2 Hours

Candidate's Name \_\_\_\_\_

Father's Name \_\_\_\_\_

Date of Birth        
DD MM YYYY

OMR Response Sheet No. \_\_\_\_\_

Roll No. \_\_\_\_\_

Candidate's Signature (Please sign in the box)

Question  
Booklet Set

B

Booklet Series

## INSTRUCTIONS

1. The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant boxes out of 1 to 9 of the Optical Mark Reader (OMR) response sheet, supplied separately.
2. Use only blue or black **ball point pen** to fill the relevant columns on this page as well as in OMR sheet. Use of Ink pen or any other pen is not allowed.
3. The candidate shall be liable for any adverse effect if the information given above is wrong or illegible or incomplete.
4. Each candidate is required to attempt 120 questions in 120 minutes, except for orthopedically/visually impaired candidates, who would be given 40 extra minutes, for marking correct responses on the OMR sheet.
5. The question paper booklet has 25 pages.
6. The candidates, when allowed to open the question paper booklet, must first check the entire booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should IMMEDIATELY bring this fact to the notice of the Invigilation Staff and obtain a new booklet of the same series as given earlier.
7. The serial number of the new Question booklet if issued for some reason should be entered in the relevant column of the OMR. The Invigilation Staff must make necessary corrections in their record regarding the change in the serial no. of Question booklet.
8. The paper consists of total 480 Marks. Each question shall carry 4 marks. There are four options for each question and the candidate has to mark the MOST APPROPRIATE answer on the OMR response sheet.
9. There is negative marking (1 mark for each question) for questions wrongly answered by the candidate.
10. Use of Electronic/Manual Calculator is prohibited.
11. The candidate MUST READ INSTRUCTIONS BEHIND THE OMR SHEET before answering the questions and check that two carbon copies attached to the OMR sheet are intact.

- 1 “Structured social inequality in a given society leading to division into groups” is often called
  - a) Social change
  - b) Social problem
  - c) Socialization
  - d) Social stratification
- 2 With respect to Foreign trade, an area where trade barriers (both tariff and non-tariff) are removed is called a \_\_\_\_\_
  - a) Special Economic Zone (SEZ)
  - b) Free Trade Area (FTA)
  - c) Preferential Trade Area (PTA)
  - d) Economic Union
- 3 Rearrange the following steps of planning formulation:
  - 1) Plan implementation
  - 2) Monitoring
  - 3) Evaluation & review
  - 4) Development of aims and objectives
  - a) 3-4-1-2
  - b) 4-1-2-3
  - c) 4-2-1-3
  - d) 4-3-2-1
- 4 Which of the following is NOT one of the basic objectives of National Urban Sanitation Policy, 2008?
  - a) Sewage treatment must be integrated along with its billing
  - b) Cities must be open defecation free
  - c) Elimination of the practice of manual scavenging
  - d) Improved public health outcomes and environmental standards
- 5 What should urban roadway systems consist of to serve various transportation modes?
  - a) Only streets and highways for automobiles and trucks.
  - b) Only transit routes for public transportation.
  - c) A multimodal network of streets and highways serving automobiles, trucks, transit, bicyclists, and pedestrians.
  - d) Only pedestrian walkways and bicycle lanes.

- 6 What is one of the major options available to transportation planners to address constraints in adding additional capacity to the highway network in metropolitan areas?
  - a) Building more highways and roads.
  - b) Implementing Transportation Demand Management (TDM) strategies.
  - c) Expanding public transportation networks only.
  - d) Encouraging carpooling and ridesharing services only.
  
- 7 Under PMAY-U, what does the term "in-situ slum redevelopment" refer to?
  - a) Relocating slum dwellers to affordable housing projects in the outskirts of the city
  - b) Upgrading and redeveloping existing slums without displacing the residents
  - c) Demolishing slums and constructing high-rise buildings in the same location
  - d) Providing financial assistance to slum dwellers for purchasing new homes
  
- 8 What is the target beneficiaries' category for slum development under PMAY-U?
  - a) Only BPL (Below Poverty Line) families residing in slums
  - b) All residents of slums, regardless of income level
  - c) Only the elderly and differently abled individuals in slums
  - d) Slum dwellers who own land and can invest in redevelopment
  
- 9 Which is the first In-Situ Slum Redevelopment project done by the Delhi Development Authority in Delhi under PPP mode?
  - a) Kalkaji Extension
  - b) Kusumpur Pahari
  - c) Seemapuri Slum
  - d) Kathputli Colony
  
- 10 \_\_\_\_\_ aimed at providing subsidies for construction of housing and sanitation for urban slum dwellers living below poverty line in different towns/cities all over the country.
  - a) Pradhan Mantri Awas Yojana (PMAY)
  - b) Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA)
  - c) The Valmiki Ambedkar Awas Yojana (VAMBAY)
  - d) Integrated Housing and Slum Development Programme (IHSDP)

11 As per the National Urban Housing and Habitat Policy 2007, How much percentage of Floor Area Ratio is reserved for EWS/LIG in the spatial incentives section?

- a) 5-10%
- b) 10-15%
- c) 15-20%
- d) 20-25%

12 The SI unit of Energy Performance Index (EPI) as per ECBC norms is \_\_\_\_\_

- a) Kilo-watt-hours
- b) Kilo-watts
- c) Kilo-watt-hours/m
- d) Kilo-watt-hours/square meter

13 As per the Energy Conservation and Building Code 2017, Evaporative cooling is identified as:

- a) Low-Energy Comfort System
- b) High-Energy Comfort System
- c) Passive Cooling system
- d) It doesn't exist in the code

14 Match List I with List II and choose the correct option from the codes given below the lists

| List I<br>(Green Building rating System) | List II<br>(Parent Country) |
|--|-----------------------------|
| P. CASBEE                                | 1. USA                      |
| Q. BREEAM                                | 2. UK                       |
| R. LEED                                  | 3. India                    |
| S. GRIHA                                 | 4. Japan                    |

Code:

- |      |   |   |   |
|------|---|---|---|
| P    | Q | R | S |
| a) 4 | 2 | 1 | 3 |
| b) 1 | 4 | 2 | 3 |
| c) 2 | 1 | 4 | 3 |
| d) 3 | 1 | 4 | 2 |

15 According to the URDPFI Guidelines, 2014, what percentage of the developable area is proposed for industrial land use structure in industrial towns?

- a) 30-35
- b) 25-30
- c) 35-40
- d) 40-45

- 16 Wastewater from food processing industry are often screened and treated through:
- a) Oxidation ponds
  - b) Intermittent filters
  - c) Septic tanks
  - d) Filtration Pit
- 17 Which of the following activities belong to the primary sector of the economy?
- a) Construction
  - b) Manufacturing
  - c) Public Administration
  - d) Mining & quarrying
- 18 The volume reduction in solid waste in “Bio methanation” is:
- a) 20-30%
  - b) 40-50%
  - c) 55-65%
  - d) 70-80%
- 19 What is the Acceptable limit of Total dissolved solids (TDS) for drinking water?
- a) 500 mg/l
  - b) 2000 mg/l
  - c) 200 mg/l
  - d) 1000 mg/l
- 20 Which Fifth Year Plan emphasized the need for Regional Planning in economic development?
- a) First Fifth Year Plan
  - b) Second Fifth Year Plan
  - c) Third Fifth Year Plan
  - d) Fourth Fifth Year Plan
- 21 According to URDPFI guidelines, range of population served for Integrated School with hostel facility (Class I-XII) is
- a) 45,000 -50,000
  - b) 50,000 – 65 lakh
  - c) 1 lakh to 1.2 lakh
  - d) 90,000 – 1 lakh

- 22 The term Conurbation was coined by:
- a) Lewis Mumford
  - b) Patrick Geddes
  - c) Le Corbusier
  - d) Ebenezer Howard
- 23 The overall density of population of a settlement is the ratio between:
- a) Total population to total built-up area
  - b) Adult population to total built-up area
  - c) Total population to total residential area
  - d) Total population to total area
- 24 The Master Plan for modern Bhubaneswar City was prepared by \_\_\_\_\_
- a) Le- Corbusier
  - b) Otto Koenigsberger
  - c) Lingaraj Prasad Patnaik
  - d) Ludwig Karl Hilberseimer
- 25 Which of the following is an Indian portal catering to requirements of satellite imagery?
- a) Gagan
  - b) Glonass
  - c) Bhuvan
  - d) Galileo
- 26 The UN World Commission on Environment and Development is also known as:
- a) Hoover Commission
  - b) The Brundtland Commission
  - c) The Green Commission
  - d) The Hope Commission
- 27 An aircraft flying at an altitude of 5000 m above mean sea level takes aerial photographs of a flat terrain having an average elevation of 1000 m above mean sea level. The scale of photographs is 1:20000. Then the area covered on ground (in hectare) by each photo format of 18 cm x 18 cm is
- a) 1266
  - b) 1276
  - c) 1286
  - d) 1296

- 28 Plan within the plan " refers to:
- a) Incremental Planning approach
  - b) Rationalistic Planning approach
  - c) Equity Planning approach
  - d) Middle Range Planning approach
- 29 Various levels of shopping facilities in urban settlements as stipulated by the National Building Code, 2005 are
- a) convenient shops, cluster centre, sector centre, community centre, district centre
  - b) informal shops, formal shops, general retail service and repairs, wholesale
  - c) petty shopping, cluster shopping, community centre, district centre, central business district
  - d) convenient shopping, local shopping, community centre, district centre, local wholesale market.
- 30 In PIEV theory of transportation, "P" "I" "E" "V" stands for
- a) Passenger, Intermediate, Elevation and Volume
  - b) Population, Imagination, Exact Location and Volition
  - c) Perception, Intellection, Emotion and Volition
  - d) Public, Inspiration, Entertainment and Venue
- 31 What would be the area of a neighbourhood if it is to be within walk-able distance of 400 m radius?
- a) Approximately 151 acres
  - b) Approximately 224 acres
  - c) Approximately 124 acres
  - d) Approximately 102 acres
- 32 External Cordon Survey and Internal Cordon Survey are techniques for conducting
- a) Environmental survey
  - b) Socio-economic survey
  - c) Traffic survey
  - d) Income survey
- 33 What is the Passenger Car Unit (PCU) value of a motorcycle?
- a) 1
  - b) 0.2
  - c) 0.3
  - d) 0.5



- 34 In the context of urban transport, 'bottlenecks' refers to:
- a) A portion of road with lowest capacity along the route
  - b) An unregulated traffic junction
  - c) A road with excessively high traffic
  - d) A road with railway crossing
- 35 Which of the following represents traffic volume from one key area to another in a desire line map?
- a) Dark line
  - b) Circles
  - c) Triangles
  - d) Dots
- 36 The housing stock of the town has a total number of 12000 dwelling units. The present population of the town is 80000. Assuming the average household size of 5, the housing shortage in percentage is:
- a) 25
  - b) 15
  - c) 20
  - d) 22
- 37 A housing complex has 250 units of 80 sq.m each and 200 units of 100 sq.m each. If the mandatory parking requirement is one car per 100 square meter of built space, then the total no of car parking is \_\_\_\_\_ cars.
- a) 400
  - b) 300
  - c) 200
  - d) 600
- 38 For the Rural Water Supply Schemes, for providing domestic requirements, the norm adopted is :
- a) 40 lpcd
  - b) 70 lpcd
  - c) 80 lpcd
  - d) 100 lpcd

- 39 Match List I (Standard Safety Colour Code) with List II (Usage) and choose the correct option from the codes given below the lists:

| List I    | List II   |
|-----------|-----------|
| P. Blue   | P. Blue   |
| Q. Green  | Q. Green  |
| R. Red    | R. Red    |
| S. Yellow | S. Yellow |

Code:

|    | P | Q | R | S |
|----|---|---|---|---|
| a) | 3 | 1 | 2 | 4 |
| b) | 3 | 4 | 5 | 1 |
| c) | 1 | 3 | 2 | 5 |
| d) | 1 | 5 | 2 | 4 |

- 40 SCADA is an advanced technology used in several cities. In which of the following sector does it find its application?
- a) Centralised heating and cooling
  - b) Water supply and sewage management
  - c) Transportation planning
  - d) GIS and remote sensing
- 41 A waste water pipe connecting two inspection chambers (IC) is laid at a slope of 1:200. The Invert Level of the starting IC is -450 mm. The Invert level of the second pit at a distance of 40 m from the first IC is
- a) -550 mm
  - b) -200 mm
  - c) -650 mm
  - d) -250 mm
- 42 Under the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013, how much original period is stipulated for declaring award from the date of publication of declaration under section 19 of the Act?
- a) six months
  - b) twelve months
  - c) eighteen months
  - d) twenty-four months

- 43 Which schedule of the 74th Constitutional Amendment Act 1992 refers to "Preparation of five-year development Plans as a mandatory service of the Urban Local Bodies?
- a) 10th Schedule
  - b) 11th Schedule
  - c) 12th Schedule
  - d) 13th Schedule
- 44 Liquidated damage refers to the
- a) Cost borne by the contractor to rectify the defects within Defect-Liability Period
  - b) Compensation paid on breach of contract to the affected party by the other party
  - c) Money paid by the insurance company to the owner of insured property if it is damaged
  - d) Money earned by the owner from selling damaged property through auction
- 45 Integrated Township area shall not include the area under
- a) Residential zone
  - b) Notified forest area
  - c) Commercial zone
  - d) Agricultural zone
- 46 Punjab Urban Planning and Development Authority was established in the year
- a) 1996
  - b) 1997
  - c) 1995
  - d) 1999
- 47 In multi-storey projects, which of the following can be used to build more floor area than the permissible FSI?
- a) FSI/FAR optimization
  - b) Temporary structure above the permissible height limit
  - c) Building a basement/ stilt/ underground parking
  - d) TDR certificate
- 48 Which Indian city is often referred to as the "Garden City" due to its emphasis on urban green spaces and planning?
- a) Mumbai
  - b) New Delhi
  - c) Bengaluru
  - d) Kolkata

- 49 What is the primary goal of "new urbanism"?
- a) Promoting large-scale industrial development
  - b) Encouraging suburban sprawl
  - c) Creating walkable and sustainable urban neighbourhoods
  - d) Focusing exclusively on high-rise building construction
- 50 In transportation planning, "Complete Streets" aim to:
- a) Reduce the number of streets within a city
  - b) Prioritize pedestrian safety over vehicle traffic over
  - c) Streets having mixed land use , complete with landscaping, street furniture and Disabled friendly design features
  - d) Design streets for safe use by all modes of transportation, including pedestrians and cyclists
- 51 The "Population Pyramid" graphically represents:
- a) Total population of a country
  - b) Birth rates only
  - c) Age and gender distribution of a population
  - d) Urban and rural population distribution
- 52 The "Triple Bottom Line" concept in sustainable development refers to:
- a) Balancing economic, social, and environmental considerations
  - b) Prioritizing environmental preservation of flora and fauna in all biomes
  - c) Focusing on economic growth, capital accumulation and expenditures
  - d) Ignoring parity in favour of environmental goals and social equity
- 53 What is the primary goal of "Resilient Urban Planning"?
- a) Maximizing economic growth by providing excellent infrastructures
  - b) Prioritizing disaster management along with aesthetics in city design
  - c) Expanding urban sprawl and giving a roof to everyone
  - d) Strengthening a city's ability to adapt to shocks and stresses
- 54 The concept of "Regenerative Urbanism" focuses on:
- a) Creating cities that actively contribute to environmental restoration and renewal
  - b) Designing cities for rapid growth and expansion catering to increasing population
  - c) Exploiting natural resources for short-term economic gains
  - d) Prioritizing aesthetics over functionality in urban design

- 55 The Smart Cities Mission aims to:
- a) Concentrate urban development exclusively in existing metropolitan areas
  - b) Develop only large cities as smart cities
  - c) Promote technological innovation and improve infrastructure in select cities
  - d) Neglect the ecology and environment in urban planning
- 56 The National Urban Information System (NUIS) focuses on:
- a) Enhancing the collection and dissemination of urban data for effective planning
  - b) Policing on people through collection of data
  - c) Collecting personal information of urban residents
  - d) Promoting information collection about informal urban settlements
- 57 The Atal Mission for Rejuvenation and Urban Transformation (AMRUT) aims to:
- a) Providing urban infrastructure development entirely in Old City Fabrics
  - b) Ensure basic infrastructure services and improve quality of life in cities
  - c) Support development in rural areas
  - d) Exclusively focus on industrial growth within urban areas
- 58 "Variable Message Signs" (VMS) are used for:
- a) Displaying real-time information and alerts to drivers
  - b) Providing excessive information to drivers
  - c) Countering traffic mis-management around schools
  - d) Promoting billboard advertisements
- 59 ECBC covers which aspects of building design and operation?
- a) Ignoring lighting and ventilation
  - b) Only promoting renewable energy sources
  - c) Exclusively focusing on exterior aesthetics
  - d) Energy performance, lighting, HVAC, and building envelope
- 60 GRIHA ratings are based on a scale of:
- a) 1 to 10
  - b) Only pass or fail
  - c) 1 to 100
  - d) Exclusively 5 levels
- 61 Which of the following building materials has the lowest embodied carbon?
- a) Rammed Earth
  - b) Steel
  - c) Reinforced Concrete
  - d) Glass

- 62 "Cluster Development" in industrial estate planning refers to:
- a) Ignoring the grouping of similar industries with less than 5KW load
  - b) Exclusively promoting individual standalone factories
  - c) Concentrating related industries in close proximity for synergies and resource sharing
  - d) Promoting isolated industries with higher than 5KW load
- 63 "Bioremediation" is a waste treatment process that:
- a) Mitigates environmental concerns of waste through chemical processes
  - b) Uses microorganisms to break down or neutralize pollutants in waste
  - c) Promotes landfilling of waste
  - d) Exclusively focuses on waste incineration
- 64 The "One Water" approach emphasizes:
- a) Integrating the management of all water sources for sustainability
  - b) Separating water sources for different uses
  - c) Exclusively focusing on drinking water supply
  - d) Promoting storm water management
- 65 The 73rd Amendment reserves seats for which category in Panchayats?
- a) Scheduled Castes (SC)
  - b) General category
  - c) Religious minorities
  - d) Foreign nationals
- 66 As per National Urban Housing and Habitat Policy 2007, States/UTs are advised to develop \_\_\_\_\_ with emphasis on EWS and LIG sectors
- a) 5 years perspective Housing Plans
  - b) 10 years perspective Housing Plans
  - c) 20 years perspective Housing Plans
  - d) None of the above
- 67 What amount of Central Assistance per EWS house is provided by the Government of India under AHP in PMAY(U).
- a) 5 Lakh
  - b) 3 Lakh
  - c) 1.5 Lakh
  - d) 1 Lakh

- 68 To provide long term finance for construction of houses for residential purposes & undertake housing and urban development programmes in the country is one of the main objectives of which of the following Public Limited Company?
- a) LIC
  - b) NBCC
  - c) HUDCO
  - d) None of the above
- 69 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) The lowest hierarchy street within residential zone of Master Plan shall be minimum 40 feet or 12 meters wide
  - b) The lowest hierarchy street within residential zone of Master Plan shall be minimum 30 feet or 9 meters wide
  - c) The lowest hierarchy street within residential zone of Master Plan shall be minimum 20 feet or 6 meters wide
  - d) None of the above
- 70 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 80'-0" and above shall have 'No construction zone of 5 meter from the proposed Right of Way after leaving land for road widening, if only
  - b) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 40'-0" and above shall have 'No construction zone of 2.5 meter from the proposed ROW after leaving land for road widening, if any
  - c) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 120'-0" and above shall have 'No construction zone of 7.5 meter from the proposed Right of Way after leaving land for road widening, if only
  - d) None of the above
- 71 High rise building as per NBC means
- a) A building 15m or below in height
  - b) A building 15m or above in height
  - c) A building 25m or above in height
  - d) A building 50 m or above in height
- 72 The dimensions of a rectangular settling tank are L=25 m, B=6 m, H=3 m. If the detention time recommended for the tank is 2hr, find the rate of flow of sewage per hour
- a) 225 /hr
  - b) 215 /hr
  - c) 220 /hr
  - d) 224 /hr

- 73 What is the name of the Landform having deep valleys with very steep to straight sides?
- a) Canyon
  - b) Plunge Pools
  - c) Entrenched Meanders
  - d) Gorges
- 74 According to BIS, what is the acceptable limit of Fluoride in drinking water?
- a) 1.0 mg/l
  - b) 2.0 mg/l
  - c) 2.5 mg/l
  - d) 3.0 mg/l
- 75 According to draft EIA 2020, the projects are classified into
- a) Category A, Category B and Category C
  - b) Category A1, Category A2 and Category B1
  - c) Category A, Category B1 and Category B2
  - d) Category A1, Category A2 and Category A3
- 76 As per the 12th Schedule of the 74th Constitutional Amendment Act, the Urban Planning is a function of
- a) Panchayat Raj Institutions
  - b) Urban Local Bodies
  - c) Development Authorities
  - d) Town Planning Department
- 77 For the design of sewers in India, the percentage of sewage discharge is assumed as:
- a) 25-30% of water supplied from water works
  - b) 75-80% of water supplied from water works
  - c) 50% of water supplied from water works
  - d) 100% of water supplied from water works
- 78 Which Sustainable Development Goal (SDG) is related to No Poverty?
- a) Goal 1
  - b) Goal 5
  - c) Goal 6
  - d) Goal 12



- 79 A 20 cm line on a map in 1:4500 scale represents an actual dimension of
- a) 900 m
  - b) 900 cm
  - c) 9000 m
  - d) 9000 cm
- 80 "Summit Curve" in planning is associated with
- a) Population projection
  - b) Land use
  - c) Roads and flyovers
  - d) Density
- 81 Which of the following is the Bow shaped town plan as per Mansara Shilpa-shastra?
- a) Dandaka
  - b) Karmukha
  - c) Padmaka
  - d) Prastara
- 82 Mohenjo-Daro is based on which of the following patterns?
- a) Grid- Iron Pattern
  - b) Concentric
  - c) Radial
  - d) Linear
- 83 To plan a town or urban area, there has to be a survey done to understand the various aspects; which is quoted as "Survey before Plan". Who said this?
- a) Lewis Mumford
  - b) Sir Ebenezer Howard
  - c) Vitruvius
  - d) Sir Patrick Geddes
- 84 What is the per hectare per day fire-fighting water station demand for commercial area?
- a) 1800 liters
  - b) 3600 liters
  - c) 45000 liters
  - d) 22500 liters

85 What is a minimum longitudinal gradient of percent necessary to facilitate flow of water in side drains?

- a) 0.3%
- b) 3.0%
- c) 30.0%
- d) 30.3%

86 As per Zoning regulations, which of the following activities are restricted in commercial zones?

- a) Taxi Stand
- b) Railway Yard
- c) Pet clinic
- d) Warehousing and covered storage

87 In Planning System, Master Plan is associated with which of the Core area of planning?

- a) Perspective Plan
- b) Regional Plan
- c) Development Plan
- d) Local Area Plan

88 Match the characteristics in List I with the type of settlements in List II as given in URDPFI Guidelines 2015, Government of India and choose the correct option from the codes given below the lists:

List I

- (P) Towns that are notified under law by the concerned State/UT Government and have local bodies like Municipal Corporations, Municipalities, Municipal Committees, etc.
- (Q) Towns having potential for investment and development; identified on the basis of their inter-aerial relationship with the regional nodal centre
- (R) Settlements that are growing sub-nodal centres but located out of the direct functionally linked areas of the growth node / nodal centre in the region
- (S) Zones of transition from rural to urban land uses located between the outer limits of urban and regional centres and the rural environment

List II

- (1) Counter-Magnets
- (2) Peri-Urban Areas
- (3) Priority Towns
- (4) Statutory Towns

Code:

- |      | P | Q | R | S |
|------|---|---|---|---|
| a) 4 | 3 | 1 | 2 |   |
| b) 3 | 1 | 4 | 2 |   |
| c) 4 | 1 | 2 | 3 |   |
| d) 1 | 2 | 3 | 4 |   |

- 89 What is the scale of Maps for Planning Metropolitan Regional Plan according to URDPFI?
- a) 1:25,000 – 1:10,000
  - b) 1:50,000 – 1:35,000
  - c) 1:10,000 – 1:8,000
  - d) 1:50,000 – 1:25,000
- 90 Which among the following is not an element of ekistics?
- a) Man
  - b) Shells
  - c) Culture
  - d) Nature
- 91 ' \_\_\_\_\_ ਦੀ ਜੁੱਤੀ ਮਾਰਨੀ' ਮੁਹਾਵਰਾ ਪੂਰਾ ਕਰੋ:
- a) ਲੱਕੜ
  - b) ਰਬੜ
  - c) ਚਾਂਦੀ
  - d) ਮੁਫਤ
- 92 ਸੁੱਧ-ਅਸੁੱਧ ਦਾ ਸਹੀ ਜੋੜਾ ਚੁਣੋ:
- a) ਅੰਮਰਿਤ/ਅੰਮਰਤ
  - b) ਸੁਨੈਰੀ/ਸੁਨਹੈਰੀ
  - c) ਸੋਹਰਾ/ਸੁਹਰਾ
  - d) ਜੋਹੜਾ/ਜਿਹੜਾ
- 93 ਕਿਹੜਾ ਸ਼ਬਦ 'ਸਤਿ' ਅਗੇਤਰ ਨਾਲ ਨਹੀਂ ਬਣਿਆ:
- a) ਸਤਿਸੰਗ
  - b) ਸਤਿਪ੍ਰਕਾਸ਼
  - c) ਸਤਿਨਾਮ
  - d) ਸਤਿਆ
- 94 'ਤੂੰ ਘਰ ਗਿਆ ਸੀ ਤਾਂ ਮੈਨੂੰ ਦੱਸਿਆ ਕਿਉਂ ਨਹੀਂ \_\_' ਵਾਕ ਨਾਲ ਸਹੀ ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹ ਲਗਾਓ:
- a) ?
  - b) !
  - c) .
  - d) |

- 95 'Etymology' ਦਾ ਭਾਵ ਹੈ:
- ਗਿਆਨ-ਵਿਗਿਆਨ
  - ਨਿਰੁਕਤੀ
  - ਅਰਥ-ਵਿਗਿਆਨ
  - ਗਿਆਨ
- 96 ਤਿੰਨ ਮਹੀਨਿਆਂ ਦੇ ਲਈ ਪੰਜਾਬੀ ਵਿੱਚ ਵਰਤਿਆ ਜਾਣ ਵਾਲਾ ਸ਼ਬਦ ਹੈ:
- ਤਿਮਾਹੀ
  - ਤਿੰਨ ਮਾਹੀ
  - ਤਿਨ ਮਾਸਿਕ
  - ਤ੍ਰੈਮਾਹੀਆ
- 97 ਬੱਚਾ ਤੁਰਦਾ ਤੁਰਦਾ ਐਵੇਂ ਹੀ ਇੱਧਰ ਆ ਗਿਆ ' ਵਾਕ ਵਿੱਚ 'ਐਵੇਂ ਹੀ ' ਕਿਸ ਦਾ ਪ੍ਰਕਾਰ ਹੈ -
- ਅਨਿਸ਼ਚੇ ਵਾਚਕ ਪੜਨਾਂਵ
  - ਨਿਰਣਾ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ
  - ਨਿਸ਼ਚੇ ਵਾਚਕ ਵਿਸ਼ੇਸ਼ਣ
  - ਪ੍ਰਕਾਰ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ
- 98 ਮਹਾਂਭਾਰਤ ਕਾਲ ਵਿੱਚ ਪੰਜਾਬ ਨੂੰ \_\_\_\_\_ ਕਿਹਾ ਜਾਂਦਾ ਸੀ:
- ਪੈਂਟਾਪੋਟੇਮੀਆ
  - ਪੰਚਨਦ
  - ਪੰਜ-ਆਬ
  - ਸੱਪਤ-ਸਿੰਧਵਾ
- 99 ਵਿਆਹ ਵਿੱਚ ਸ਼ਾਮਲ ਹੋਣ ਲਈ ਸਾਕ-ਸੰਬੰਧੀਆਂ ਨੂੰ ਸੱਦਾ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਅਤੇ ਭਾਈਚਾਰੇ ਵਿੱਚ ਗੁੜ ਜਾਂ ਖੰਡ ਦੀ ਭਾਜੀ ਵੰਡੀ ਜਾਂਦੀ ਹੈ ' ਇਸ ਰਸਮ ਨੂੰ ..... ਆਖਦੇ ਹਨ:
- ਠਾਕਾ
  - ਸਾਹਾ ਕਢਵਾਣਾ
  - ਘਰ ਵਧਾਣਾ
  - ਗੰਢ ਫੇਰਨਾ

- 100 ਸਰਕਾਰੀ ਦਫਤਰਾਂ ਵਿੱਚ ਭਾਸ਼ਾ ਦਾ ਕਿਹੜਾ ਰੂਪ ਵਰਤਿਆ ਜਾਂਦਾ ਹੈ?
- a) ਉਪਭਾਸ਼ਾਈ
  - b) ਟਕਸਾਲੀ
  - c) ਪਿਜ਼ਿਨ
  - d) ਕਿਰਿਓਲ
- 101 Consider the following statements  
The Attorney General of India can
- 1. Take part in the proceedings of the Lok Sabha
  - 2. Be a member of a committee of the Lok Sabha
  - 3. Speak in the Lok Sabha
  - 4. Vote in the Lok Sabha
- Which of the statements given above is/ are correct?
- a) 1 only
  - b) 1 and 3 only
  - c) 2 and 4 only
  - d) 1, 2 and 3 only
- 102 The largest river system in peninsular India is
- a) Tapti
  - b) Narmada
  - c) Godavari
  - d) Kavery
- 103 Weather, including turbulent wind, storms, and most clouds, occur in which layer/s of the atmosphere?
- 1. Troposphere
  - 2. Stratosphere
  - 3. Mesosphere
  - 4. Thermosphere
- Which of the statement/s given above is/are correct?
- a) 1 only
  - b) 1 and 3 only
  - c) 1 and 2, and 3 only
  - d) 1, 2, 3 and 4 only
- 104 ICAR has signed a MoU with which company, for guiding the farmers on scientific cultivation of different crops?
- a) Microsoft
  - b) Google Maps
  - c) Amazon Kisan
  - d) Future Generali

105 Consider the following statements:

Statement I : Heavy water (Deuterium Oxide) is used as Moderator and coolant in the Nuclear power generation.

Statement II: U-235, U-233, Plutonium-239 and Thorium are used as fuel in Nuclear reactor.

Which of the above statement(s) is/are correct?

- a) Only II
- b) only I
- c) Neither I nor II
- d) Both I and II

106 When was the “Prohibition of Employment as Manual Scavengers and their Rehabilitation Act” enacted in India?

- a) 2000
- b) 2005
- c) 2010
- d) 2013

107 Which state has the top access to safe drinking water in India?

- a) Tamil Nadu
- b) West Bengal
- c) Punjab
- d) Bihar

108 With reference to Indo – Islamic Architecture, which of the following were used as a construction material?

- I. Dressed stone
- II. Quartzite
- III. Sandstone
- IV. Buff

Select the correct option

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

109 Where did Shri Guru Gobind Singh Ji meet Banda Bahadur for the first time?

- a) Agra
- b) Anandpur Sahib
- c) Nanded
- d) Chamkaur

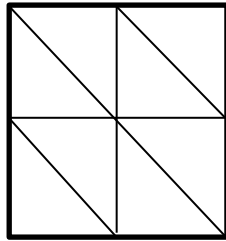
110 The Satyarth Prakash was written by:

- a) Raja Ram Mohan Roy
- b) Swami Dayanand Saraswati
- c) Lala Lajpat Rai
- d) Pandit Shraddha Ram Phillauri

111 In a certain code language,  
'134' means 'come and go';  
'478' means 'you come tomorrow' and  
'729' means 'tomorrow is monday'.  
Which of the following digits stands for 'you'?

- a) 9
- b) 2
- c) 1
- d) 8

112 What is the number of triangles in the following figure?



- a) 8
- b) 10
- c) 12
- d) 14

113 Find x in the following:

|   |   |   |   |
|---|---|---|---|
| 1 | x | 2 | 8 |
| 3 | 7 | 3 | 2 |
| 2 | 3 | 8 | 2 |
| 9 | 1 | 2 | 3 |

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

- 114 Looking at a portrait of a woman, Ramesh said, "Her mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Ramesh looking?
- a) His aunt
  - b) His Daughter
  - c) His niece
  - d) His cousin
- 115 In the new budget, the price of kerosene oil rose by 75%. By how much percent (approx.) must a person reduce his consumption so that his expenditure on it does not increase?
- a) 50%
  - b) 75%
  - c) 43%
  - d) 20%
- 116 Archers 'A' and 'B' take aim at a target. If the probability of 'A' hitting the target is 50 % and of B missing the target is 50 %. What is the probability that both 'A' and 'B' miss the target?
- a) 50%
  - b) 90%
  - c) 25%
  - d) 75%
- 117 Naman purchased 80 fans and sold them. If the cost price of 80 fans is same as selling price of p fans, find p if the profit percent is 25%?
- a) 68
  - b) 64
  - c) 56
  - d) 58
- 118 A man lent Rs.2500, part of this at 4.5% and the rest at 5.5% per annum simple interest. The whole annual interest amounted to Rs. 127.5. How much did he lend at 5.5%?
- a) Rs. 1200
  - b) Rs. 1100
  - c) Rs. 1000
  - d) Rs. 1500



119 Select the correct analogy of

STUBBORN: OBSTINATE

- a) mulish: tractable
- b) trepidation: confident
- c) impecunious: penny
- d) gloomy: morose

120 A city poll of the community showed that 88 percent of respondents believe that an appropriate amount of the city budget is being spent on parks and recreation. It seems, then, that any significant increase in the city budget should be spent on something other than parks and recreation.

Which one of the following describes a flaw in reasoning in the above argument?

- a) The argument confuses the percentage of the budget spent on parks and recreation with the amount of money spent on parks and recreation.
- b) The argument does not justify its presumption that what is true of a portion of the budget also applies to the total budget.
- c) The argument fails to consider that less money could be spent and a significant percentage of the community would still find that amount to be appropriate.
- d) The argument fails to consider that if more money from the budget were spent on parks and recreation, then an even larger percentage of the community might approve of that use of the budget.

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# **SPACE FOR ROUGH WORK**

# PUNJAB PUBLIC SERVICE COMMISSION

Objective Type Test (Sept-2023) for Recruitment to the Post of Assistant Town Planner  
(Group A) in the Department of Local Government (Municipal Corporation),  
Government of Punjab

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

Total Questions: 120  
Time Allowed: 2 Hours

Candidate's Name \_\_\_\_\_

Father's Name \_\_\_\_\_

Date of Birth          
DD MM YYYY

OMR Response Sheet No. \_\_\_\_\_

Roll No. \_\_\_\_\_

Candidate's Signature (Please sign in the box)

Question  
Booklet Set

C

Booklet Series

## INSTRUCTIONS

1. The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant boxes out of 1 to 9 of the Optical Mark Reader (OMR) response sheet, supplied separately.
2. Use only blue or black **ball point pen** to fill the relevant columns on this page as well as in OMR sheet. Use of Ink pen or any other pen is not allowed.
3. The candidate shall be liable for any adverse effect if the information given above is wrong or illegible or incomplete.
4. Each candidate is required to attempt 120 questions in 120 minutes, except for orthopedically/visually impaired candidates, who would be given 40 extra minutes, for marking correct responses on the OMR sheet.
5. The question paper booklet has 25 pages.
6. The candidates, when allowed to open the question paper booklet, must first check the entire booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should IMMEDIATELY bring this fact to the notice of the Invigilation Staff and obtain a new booklet of the same series as given earlier.
7. The serial number of the new Question booklet if issued for some reason should be entered in the relevant column of the OMR. The Invigilation Staff must make necessary corrections in their record regarding the change in the serial no. of Question booklet.
8. The paper consists of total 480 Marks. Each question shall carry 4 marks. There are four options for each question and the candidate has to mark the MOST APPROPRIATE answer on the OMR response sheet.
9. There is negative marking (1 mark for each question) for questions wrongly answered by the candidate.
10. Use of Electronic/Manual Calculator is prohibited.
11. The candidate MUST READ INSTRUCTIONS BEHIND THE OMR SHEET before answering the questions and check that two carbon copies attached to the OMR sheet are intact.

1 As per the National Urban Housing and Habitat Policy 2007, How much percentage of Floor Area Ratio is reserved for EWS/LIG in the spatial incentives section?

- a) 5-10%
- b) 10-15%
- c) 15-20%
- d) 20-25%

2 The SI unit of Energy Performance Index (EPI) as per ECBC norms is \_\_\_\_\_

- a) Kilo-watt-hours
- b) Kilo-watts
- c) Kilo-watt-hours/m
- d) Kilo-watt-hours/square meter

3 As per the Energy Conservation and Building Code 2017, Evaporative cooling is identified as:

- a) Low-Energy Comfort System
- b) High-Energy Comfort System
- c) Passive Cooling system
- d) It doesn't exist in the code

4 Match List I with List II and choose the correct option from the codes given below the lists

| List I<br>(Green Building rating<br>System) | List II<br>(Parent Country) |
|---|-----------------------------|
| P. CASBEE                                   | 1. USA                      |
| Q. BREEAM                                   | 2. UK                       |
| R. LEED                                     | 3. India                    |
| S. GRIHA                                    | 4. Japan                    |

Code:

- |      |   |   |   |
|------|---|---|---|
| P    | Q | R | S |
| a) 4 | 2 | 1 | 3 |
| b) 1 | 4 | 2 | 3 |
| c) 2 | 1 | 4 | 3 |
| d) 3 | 1 | 4 | 2 |

5 According to the URDPFI Guidelines, 2014, what percentage of the developable area is proposed for industrial land use structure in industrial towns?

- a) 30-35
- b) 25-30
- c) 35-40
- d) 40-45

- 6 Wastewater from food processing industry are often screened and treated through:
- a) Oxidation ponds
  - b) Intermittent filters
  - c) Septic tanks
  - d) Filtration Pit
- 7 Which of the following activities belong to the primary sector of the economy?
- a) Construction
  - b) Manufacturing
  - c) Public Administration
  - d) Mining & quarrying
- 8 The volume reduction in solid waste in “Bio methanation” is:
- a) 20-30%
  - b) 40-50%
  - c) 55-65%
  - d) 70-80%
- 9 What is the Acceptable limit of Total dissolved solids (TDS) for drinking water?
- a) 500 mg/l
  - b) 2000 mg/l
  - c) 200 mg/l
  - d) 1000 mg/l
- 10 Which Fifth Year Plan emphasized the need for Regional Planning in economic development?
- a) First Fifth Year Plan
  - b) Second Fifth Year Plan
  - c) Third Fifth Year Plan
  - d) Fourth Fifth Year Plan
- 11 According to URDPFI guidelines, range of population served for Integrated School with hostel facility (Class I-XII) is
- a) 45,000 -50,000
  - b) 50,000 – 65 lakh
  - c) 1 lakh to 1.2 lakh
  - d) 90,000 – 1 lakh

- 12 The term Conurbation was coined by:
- a) Lewis Mumford
  - b) Patrick Geddes
  - c) Le Corbusier
  - d) Ebenezer Howard
- 13 The overall density of population of a settlement is the ratio between:
- a) Total population to total built-up area
  - b) Adult population to total built-up area
  - c) Total population to total residential area
  - d) Total population to total area
- 14 The Master Plan for modern Bhubaneswar City was prepared by \_\_\_\_\_
- a) Le- Corbusier
  - b) Otto Koenigsberger
  - c) Lingaraj Prasad Patnaik
  - d) Ludwig Karl Hilberseimer
- 15 Which of the following is an Indian portal catering to requirements of satellite imagery?
- a) Gagan
  - b) Glonass
  - c) Bhuvan
  - d) Galileo
- 16 The UN World Commission on Environment and Development is also known as:
- a) Hoover Commission
  - b) The Brundtland Commission
  - c) The Green Commission
  - d) The Hope Commission
- 17 An aircraft flying at an altitude of 5000 m above mean sea level takes aerial photographs of a flat terrain having an average elevation of 1000 m above mean sea level. The scale of photographs is 1:20000. Then the area covered on ground (in hectare) by each photo format of 18 cm x 18 cm is
- a) 1266
  - b) 1276
  - c) 1286
  - d) 1296

- 18 Plan within the plan " refers to:
- a) Incremental Planning approach
  - b) Rationalistic Planning approach
  - c) Equity Planning approach
  - d) Middle Range Planning approach
- 19 Various levels of shopping facilities in urban settlements as stipulated by the National Building Code, 2005 are
- a) convenient shops, cluster centre, sector centre, community centre, district centre
  - b) informal shops, formal shops, general retail service and repairs, wholesale
  - c) petty shopping, cluster shopping, community centre, district centre, central business district
  - d) convenient shopping, local shopping, community centre, district centre, local wholesale market.
- 20 In PIEV theory of transportation, "P" "I" "E" "V" stands for
- a) Passenger, Intermediate, Elevation and Volume
  - b) Population, Imagination, Exact Location and Volition
  - c) Perception, Intellection, Emotion and Volition
  - d) Public, Inspiration, Entertainment and Venue
- 21 What would be the area of a neighbourhood if it is to be within walk-able distance of 400 m radius?
- a) Approximately 151 acres
  - b) Approximately 224 acres
  - c) Approximately 124 acres
  - d) Approximately 102 acres
- 22 External Cordon Survey and Internal Cordon Survey are techniques for conducting
- a) Environmental survey
  - b) Socio-economic survey
  - c) Traffic survey
  - d) Income survey
- 23 What is the Passenger Car Unit (PCU) value of a motorcycle?
- a) 1
  - b) 0.2
  - c) 0.3
  - d) 0.5

- 24 In the context of urban transport, 'bottlenecks' refers to:
- a) A portion of road with lowest capacity along the route
  - b) An unregulated traffic junction
  - c) A road with excessively high traffic
  - d) A road with railway crossing
- 25 Which of the following represents traffic volume from one key area to another in a desire line map?
- a) Dark line
  - b) Circles
  - c) Triangles
  - d) Dots
- 26 The housing stock of the town has a total number of 12000 dwelling units. The present population of the town is 80000. Assuming the average household size of 5, the housing shortage in percentage is:
- a) 25
  - b) 15
  - c) 20
  - d) 22
- 27 A housing complex has 250 units of 80 sq.m each and 200 units of 100 sq.m each. If the mandatory parking requirement is one car per 100 square meter of built space, then the total no of car parking is \_\_\_\_\_ cars.
- a) 400
  - b) 300
  - c) 200
  - d) 600
- 28 For the Rural Water Supply Schemes, for providing domestic requirements, the norm adopted is :
- a) 40 lpcd
  - b) 70 lpcd
  - c) 80 lpcd
  - d) 100 lpcd



- 29 Match List I (Standard Safety Colour Code) with List II (Usage) and choose the correct option from the codes given below the lists:

List I

P. Blue  
Q. Green  
R. Red  
S. Yellow

List II

1. Biodegradable waste  
2. Fire protection equipment  
3. Recyclable waste  
4. Stumbling against hazards  
5. Radiation standards

Code:

|      | P | Q | R | S |
|------|---|---|---|---|
| a) 3 | 1 | 2 | 4 |   |
| b) 3 | 4 | 5 | 1 |   |
| c) 1 | 3 | 2 | 5 |   |
| d) 1 | 5 | 2 | 4 |   |

- 30 SCADA is an advanced technology used in several cities. In which of the following sector does it find its application?
- a) Centralised heating and cooling
  - b) Water supply and sewage management
  - c) Transportation planning
  - d) GIS and remote sensing
- 31 A waste water pipe connecting two inspection chambers (IC) is laid at a slope of 1:200. The Invert Level of the starting IC is -450 mm. The Invert level of the second pit at a distance of 40 m from the first IC is
- a) -550 mm
  - b) -200 mm
  - c) -650 mm
  - d) -250 mm
- 32 Under the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013, how much original period is stipulated for declaring award from the date of publication of declaration under section 19 of the Act?
- a) six months
  - b) twelve months
  - c) eighteen months
  - d) twenty-four months

- 33 Which schedule of the 74th Constitutional Amendment Act 1992 refers to "Preparation of five-year development Plans as a mandatory service of the Urban Local Bodies?
- a) 10th Schedule
  - b) 11th Schedule
  - c) 12th Schedule
  - d) 13th Schedule
- 34 Liquidated damage refers to the
- a) Cost borne by the contractor to rectify the defects within Defect-Liability Period
  - b) Compensation paid on breach of contract to the affected party by the other party
  - c) Money paid by the insurance company to the owner of insured property if it is damaged
  - d) Money earned by the owner from selling damaged property through auction
- 35 Integrated Township area shall not include the area under
- a) Residential zone
  - b) Notified forest area
  - c) Commercial zone
  - d) Agricultural zone
- 36 Punjab Urban Planning and Development Authority was established in the year
- a) 1996
  - b) 1997
  - c) 1995
  - d) 1999
- 37 In multi-storey projects, which of the following can be used to build more floor area than the permissible FSI?
- a) FSI/FAR optimization
  - b) Temporary structure above the permissible height limit
  - c) Building a basement/ stilt/ underground parking
  - d) TDR certificate
- 38 Which Indian city is often referred to as the "Garden City" due to its emphasis on urban green spaces and planning?
- a) Mumbai
  - b) New Delhi
  - c) Bengaluru
  - d) Kolkata

- 39 What is the primary goal of "new urbanism"?
- a) Promoting large-scale industrial development
  - b) Encouraging suburban sprawl
  - c) Creating walkable and sustainable urban neighborhoods
  - d) Focusing exclusively on high-rise building construction
- 40 In transportation planning, "Complete Streets" aim to:
- a) Reduce the number of streets within a city
  - b) Prioritize pedestrian safety over vehicle traffic over
  - c) Streets having mixed land use , complete with landscaping, street furniture and Disabled friendly design features
  - d) Design streets for safe use by all modes of transportation, including pedestrians and cyclists
- 41 The "Population Pyramid" graphically represents:
- a) Total population of a country
  - b) Birth rates only
  - c) Age and gender distribution of a population
  - d) Urban and rural population distribution
- 42 The "Triple Bottom Line" concept in sustainable development refers to:
- a) Balancing economic, social, and environmental considerations
  - b) Prioritizing environmental preservation of flora and fauna in all biomes
  - c) Focusing on economic growth, capital accumulation and expenditures
  - d) Ignoring parity in favor of environmental goals and social equity
- 43 What is the primary goal of "Resilient Urban Planning"?
- a) Maximizing economic growth by providing excellent infrastructures
  - b) Prioritizing disaster management along with aesthetics in city design
  - c) Expanding urban sprawl and giving a roof to everyone
  - d) Strengthening a city's ability to adapt to shocks and stresses
- 44 The concept of "Regenerative Urbanism" focuses on:
- a) Creating cities that actively contribute to environmental restoration and renewal
  - b) Designing cities for rapid growth and expansion catering to increasing population
  - c) Exploiting natural resources for short-term economic gains
  - d) Prioritizing aesthetics over functionality in urban design

- 45 The Smart Cities Mission aims to:
- a) Concentrate urban development exclusively in existing metropolitan areas
  - b) Develop only large cities as smart cities
  - c) Promote technological innovation and improve infrastructure in select cities
  - d) Neglect the ecology and environment in urban planning
- 46 The National Urban Information System (NUIS) focuses on:
- a) Enhancing the collection and dissemination of urban data for effective planning
  - b) Policing on people through collection of data
  - c) Collecting personal information of urban residents
  - d) Promoting information collection about informal urban settlements
- 47 The Atal Mission for Rejuvenation and Urban Transformation (AMRUT) aims to:
- a) Providing urban infrastructure development entirely in Old City Fabrics
  - b) Ensure basic infrastructure services and improve quality of life in cities
  - c) Support development in rural areas
  - d) Exclusively focus on industrial growth within urban areas
- 48 "Variable Message Signs" (VMS) are used for:
- a) Displaying real-time information and alerts to drivers
  - b) Providing excessive information to drivers
  - c) Countering traffic mis-management around schools
  - d) Promoting billboard advertisements
- 49 ECBC covers which aspects of building design and operation?
- a) Ignoring lighting and ventilation
  - b) Only promoting renewable energy sources
  - c) Exclusively focusing on exterior aesthetics
  - d) Energy performance, lighting, HVAC, and building envelope
- 50 GRIHA ratings are based on a scale of:
- a) 1 to 10
  - b) Only pass or fail
  - c) 1 to 100
  - d) Exclusively 5 levels
- 51 Which of the following building materials has the lowest embodied carbon?
- a) Rammed Earth
  - b) Steel
  - c) Reinforced Concrete
  - d) Glass

- 52 "Cluster Development" in industrial estate planning refers to:
- a) Ignoring the grouping of similar industries with less than 5KW load
  - b) Exclusively promoting individual standalone factories
  - c) Concentrating related industries in close proximity for synergies and resource sharing
  - d) Promoting isolated industries with higher than 5KW load
- 53 "Bioremediation" is a waste treatment process that:
- a) Mitigates environmental concerns of waste through chemical processes
  - b) Uses microorganisms to break down or neutralize pollutants in waste
  - c) Promotes landfilling of waste
  - d) Exclusively focuses on waste incineration
- 54 The "One Water" approach emphasizes:
- a) Integrating the management of all water sources for sustainability
  - b) Separating water sources for different uses
  - c) Exclusively focusing on drinking water supply
  - d) Promoting storm water management
- 55 The 73rd Amendment reserves seats for which category in Panchayats?
- a) Scheduled Castes (SC)
  - b) General category
  - c) Religious minorities
  - d) Foreign nationals
- 56 As per National Urban Housing and Habitat Policy 2007, States/UTs are advised to develop \_\_\_\_\_ with emphasis on EWS and LIG sectors
- a) 5 years perspective Housing Plans
  - b) 10 years perspective Housing Plans
  - c) 20 years perspective Housing Plans
  - d) None of the above
- 57 What amount of Central Assistance per EWS house is provided by the Government of India under AHP in PMAY(U).
- a) 5 Lakh
  - b) 3 Lakh
  - c) 1.5 Lakh
  - d) 1 Lakh

- 58 To provide long term finance for construction of houses for residential purposes & undertake housing and urban development programmes in the country is one of the main objectives of which of the following Public Limited Company?
- a) LIC
  - b) NBCC
  - c) HUDCO
  - d) None of the above
- 59 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) The lowest hierarchy street within residential zone of Master Plan shall be minimum 40 feet or 12 meters wide
  - b) The lowest hierarchy street within residential zone of Master Plan shall be minimum 30 feet or 9 meters wide
  - c) The lowest hierarchy street within residential zone of Master Plan shall be minimum 20 feet or 6 meters wide
  - d) None of the above
- 60 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 80'-0" and above shall have 'No construction zone of 5 meter from the proposed Right of Way after leaving land for road widening, if only
  - b) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 40'-0" and above shall have 'No construction zone of 2.5 meter from the proposed ROW after leaving land for road widening, if any
  - c) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 120'-0" and above shall have 'No construction zone of 7.5 meter from the proposed Right of Way after leaving land for road widening, if only
  - d) None of the above
- 61 High rise building as per NBC means
- a) A building 15m or below in height
  - b) A building 15m or above in height
  - c) A building 25m or above in height
  - d) A building 50 m or above in height
- 62 The dimensions of a rectangular settling tank are  $L=25$  m,  $B=6$  m,  $H=3$  m. If the detention time recommended for the tank is 2hr, find the rate of flow of sewage per hour
- a) 225 /hr
  - b) 215 /hr
  - c) 220 /hr
  - d) 224 /hr

- 63 What is the name of the Landform having deep valleys with very steep to straight sides?
- a) Canyon
  - b) Plunge Pools
  - c) Entrenched Meanders
  - d) Gorges
- 64 According to BIS, what is the acceptable limit of Fluoride in drinking water?
- a) 1.0 mg/l
  - b) 2.0 mg/l
  - c) 2.5 mg/l
  - d) 3.0 mg/l
- 65 According to draft EIA 2020, the projects are classified into
- a) Category A, Category B and Category C
  - b) Category A1, Category A2 and Category B1
  - c) Category A, Category B1 and Category B2
  - d) Category A1, Category A2 and Category A3
- 66 As per the 12th Schedule of the 74th Constitutional Amendment Act, the Urban Planning is a function of
- a) Panchayat Raj Institutions
  - b) Urban Local Bodies
  - c) Development Authorities
  - d) Town Planning Department
- 67 For the design of sewers in India, the percentage of sewage discharge is assumed as:
- a) 25-30% of water supplied from water works
  - b) 75-80% of water supplied from water works
  - c) 50% of water supplied from water works
  - d) 100% of water supplied from water works
- 68 Which Sustainable Development Goal (SDG) is related to No Poverty?
- a) Goal 1
  - b) Goal 5
  - c) Goal 6
  - d) Goal 12
- 69 A 20 cm line on a map in 1:4500 scale represents an actual dimension of
- a) 900 m
  - b) 900 cm
  - c) 9000 m
  - d) 9000 cm

- 70 "Summit Curve" in planning is associated with
- a) Population projection
  - b) Land use
  - c) Roads and flyovers
  - d) Density
- 71 Which of the following is the Bow shaped town plan as per Mansara Shilpa-shastra?
- a) Dandaka
  - b) Karmukha
  - c) Padmaka
  - d) Prastara
- 72 Mohenjo-Daro is based on which of the following patterns?
- a) Grid- Iron Pattern
  - b) Concentric
  - c) Radial
  - d) Linear
- 73 To plan a town or urban area, there has to be a survey done to understand the various aspects; which is quoted as "Survey before Plan". Who said this?
- a) Lewis Mumford
  - b) Sir Ebenezer Howard
  - c) Vitruvius
  - d) Sir Patrick Geddes
- 74 What is per hectare per day fire-fighting water station demand for commercial area?
- a) 1800 liters
  - b) 3600 liters
  - c) 45000 liters
  - d) 22500 liters
- 75 What is a minimum longitudinal gradient of percent necessary to facilitate flow of water in side drains?
- a) 0.3%
  - b) 3.0%
  - c) 30.0%
  - d) 30.3%



- 76 As per Zoning regulations, which of the following activities are restricted in commercial zones?
- Taxi Stand
  - Railway Yard
  - Pet clinic
  - Warehousing and covered storage
- 77 In Planning System, Master Plan is associated with which of the Core area of planning?
- Perspective Plan
  - Regional Plan
  - Development Plan
  - Local Area Plan
- 78 Match the characteristics in List I with the type of settlements in List II as given in URDPFI Guidelines 2015, Government of India and choose the correct option from the codes given below the lists:

List I

- (P) Towns that are notified under law by the concerned State/UT Government and have local bodies like Municipal Corporations, Municipalities, Municipal Committees, etc.
- (Q) Towns having potential for investment and development; identified on the basis of their inter-aerial relationship with the regional nodal centre
- (R) Settlements that are growing sub-nodal centres but located out of the direct functionally linked areas of the growth node / nodal centre in the region
- (S) Zones of transition from rural to urban land uses located between the outer limits of urban and regional centres and the rural environment

List II

- Counter-Magnets
- Peri-Urban Areas
- Priority Towns
- Statutory Towns

Code:

- |      | P | Q | R | S |
|------|---|---|---|---|
| a) 4 | 3 | 1 | 2 |   |
| b) 3 | 1 | 4 | 2 |   |
| c) 4 | 1 | 2 | 3 |   |
| d) 1 | 2 | 3 | 4 |   |

- 79 What is the scale of Maps for Planning Metropolitan Regional Plan according to URDPFI?
- a) 1:25,000 – 1:10,000
  - b) 1:50,000 – 1:35,000
  - c) 1:10,000 – 1:8,000
  - d) 1:50,000 – 1:25,000
- 80 Which among the following is not an element of ekistics?
- a) Man
  - b) Shells
  - c) Culture
  - d) Nature
- 81 “Structured social inequality in a given society leading to division into groups” is often called
- a) Social change
  - b) Social problem
  - c) Socialization
  - d) Social stratification
- 82 With respect to Foreign trade, an area where trade barriers (both tariff and non-tariff) are removed is called a \_\_\_\_\_
- a) Special Economic Zone (SEZ)
  - b) Free Trade Area (FTA)
  - c) Preferential Trade Area (PTA)
  - d) Economic Union
- 83 Rearrange the following steps of planning formulation:
- 1) Plan implementation
  - 2) Monitoring
  - 3) Evaluation & review
  - 4) Development of aims and objectives
- a) 3-4-1-2
  - b) 4-1-2-3
  - c) 4-2-1-3
  - d) 4-3-2-1

- 84 Which of the following is NOT one of the basic objectives of National Urban Sanitation Policy, 2008?
- a) Sewage treatment must be integrated along with its billing
  - b) Cities must be open defecation free
  - c) Elimination of the practice of manual scavenging
  - d) Improved public health outcomes and environmental standards
- 85 What should urban roadway systems consist of to serve various transportation modes?
- a) Only streets and highways for automobiles and trucks
  - b) Only transit routes for public transportation
  - c) A multimodal network of streets and highways serving automobiles, trucks, transit, bicyclists, and pedestrians.
  - d) Only pedestrian walkways and bicycle lanes.
- 86 What is one of the major options available to transportation planners to address constraints in adding additional capacity to the highway network in metropolitan areas?
- a) Building more highways and roads.
  - b) Implementing Transportation Demand Management (TDM) strategies.
  - c) Expanding public transportation networks only.
  - d) Encouraging carpooling and ridesharing services only.
- 87 Under PMAY-U, what does the term "in-situ slum redevelopment" refer to?
- a) Relocating slum dwellers to affordable housing projects in the outskirts of the city
  - b) Upgrading and redeveloping existing slums without displacing the residents
  - c) Demolishing slums and constructing high-rise buildings in the same location
  - d) Providing financial assistance to slum dwellers for purchasing new homes
- 88 What is the target beneficiaries' category for slum development under PMAY-U?
- a) Only BPL (Below Poverty Line) families residing in slums
  - b) All residents of slums, regardless of income level
  - c) Only the elderly and differently abled individuals in slums
  - d) Slum dwellers who own land and can invest in redevelopment
- 89 Which is the first In-Situ Slum Redevelopment project done by the Delhi Development Authority in Delhi under PPP mode?
- a) Kalkaji Extension
  - b) Kusumpur Pahari
  - c) Seemapuri Slum
  - d) Kathputli Colony

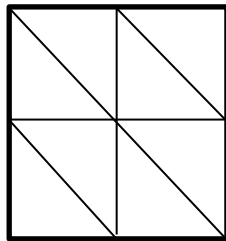
90 \_\_\_\_\_ aimed at providing subsidies for construction of housing and sanitation for urban slum dwellers living below poverty line in different towns/cities all over the country.

- a) Pradhan Mantri Awas Yojana (PMAY)
- b) Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA)
- c) The Valmiki Ambedkar Awas Yojana (VAMBAY)
- d) Integrated Housing and Slum Development Programme (IHSDP)

91 In a certain code language,  
'134' means 'come and go';  
'478' means 'you come tomorrow' and  
'729' means 'tomorrow is monday'.  
Which of the following digits stands for 'you'?

- a) 9
- b) 2
- c) 1
- d) 8

92 What is the number of triangles in the following figure?



- a) 8
- b) 10
- c) 12
- d) 14

93 Find x in the following:

|   |   |   |   |
|---|---|---|---|
| 1 | x | 2 | 8 |
| 3 | 7 | 3 | 2 |
| 2 | 3 | 8 | 2 |
| 9 | 1 | 2 | 3 |

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

- 94 Looking at a portrait of a woman, Ramesh said, "Her mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Ramesh looking?
- a) His aunt
  - b) His Daughter
  - c) His niece
  - d) His cousin
- 95 In the new budget, the price of kerosene oil rose by 75%. By how much percent (approx.) must a person reduce his consumption so that his expenditure on it does not increase?
- a) 50%
  - b) 75%
  - c) 43%
  - d) 20%
- 96 Archers 'A' and 'B' take aim at a target. If the probability of 'A' hitting the target is 50 % and of B missing the target is 50 %. What is the probability that both 'A' and 'B' miss the target?
- a) 50%
  - b) 90%
  - c) 25%
  - d) 75%
- 97 Naman purchased 80 fans and sold them. If the cost price of 80 fans is same as selling price of  $p$  fans, find  $p$  if the profit percent is 25%?
- a) 68
  - b) 64
  - c) 56
  - d) 58
- 98 A man lent Rs.2500, part of this at 4.5% and the rest at 5.5% per annum simple interest. The whole annual interest amounted to Rs. 127.5. How much did he lend at 5.5%?
- a) Rs. 1200
  - b) Rs. 1100
  - c) Rs. 1000
  - d) Rs. 1500

99 Select the correct analogy of

STUBBORN: OBSTINATE

- a) mulish: tractable
- b) trepidation: confident
- c) impecunious: penny
- d) gloomy: morose

100 A city poll of the community showed that 88 percent of respondents believe that an appropriate amount of the city budget is being spent on parks and recreation. It seems, then, that any significant increase in the city budget should be spent on something other than parks and recreation.

Which one of the following describes a flaw in reasoning in the above argument?

- a) The argument confuses the percentage of the budget spent on parks and recreation with the amount of money spent on parks and recreation.
- b) The argument does not justify its presumption that what is true of a portion of the budget also applies to the total budget.
- c) The argument fails to consider that less money could be spent and a significant percentage of the community would still find that amount to be appropriate.
- d) The argument fails to consider that if more money from the budget were spent on parks and recreation, then an even larger percentage of the community might approve of that use of the budget.

101 ‘ \_\_\_\_\_ ਦੀ ਜੁੱਤੀ ਮਾਰਨੀ’ ਮੁਹਾਵਰਾ ਪੂਰਾ ਕਰੋ:

- a) ਲੱਕੜ
- b) ਰਬੜ
- c) ਚਾਂਦੀ
- d) ਮੁਫਤ

102 ਸੁੱਧ-ਅਸੁੱਧ ਦਾ ਸਹੀ ਜੋੜਾ ਚੁਣੋ:

- a) ਅੰਮਰਿਤ/ਅੰਮਰਤ
- b) ਸੁਨੈਰੀ/ਸੁਨਹੈਰੀ
- c) ਸੋਹਰਾ/ਸੁਹਰਾ
- d) ਜੋਹੜਾ/ਜਿਹੜਾ

- 103 ਕਿਹੜਾ ਸ਼ਬਦ 'ਸਤਿ' ਅਗੇਤਰ ਨਾਲ ਨਹੀਂ ਬਣਿਆ:
- a) ਸਤਿਸੰਗ
  - b) ਸਤਿਪ੍ਰਕਾਸ਼
  - c) ਸਤਿਨਾਮ
  - d) ਸਤਿਆ
- 104 'ਤੂੰ ਘਰ ਗਿਆ ਸੀ ਤਾਂ ਮੈਨੂੰ ਦੱਸਿਆ ਕਿਉਂ ਨਹੀਂ \_\_' ਵਾਕ ਨਾਲ ਸਹੀ ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹ ਲਗਾਓ:
- a) ?
  - b) !
  - c) .
  - d) |
- 105 'Etymology' ਦਾ ਭਾਵ ਹੈ:
- a) ਗਿਆਨ-ਵਿਗਿਆਨ
  - b) ਨਿਰੁਕਤੀ
  - c) ਅਰਥ-ਵਿਗਿਆਨ
  - d) ਗਿਆਨ
- 106 ਤਿੰਨ ਮਹੀਨਿਆਂ ਦੇ ਲਈ ਪੰਜਾਬੀ ਵਿੱਚ ਵਰਤਿਆ ਜਾਣ ਵਾਲਾ ਸ਼ਬਦ ਹੈ:
- a) ਤਿਮਾਹੀ
  - b) ਤਿੰਨ ਮਾਹੀ
  - c) ਤਿਨ ਮਾਸਿਕ
  - d) ਤ੍ਰੈਮਾਹੀਆ
- 107 ਬੱਚਾ ਤੁਰਦਾ ਤੁਰਦਾ ਐਵੇਂ ਹੀ ਇੱਧਰ ਆ ਗਿਆ ' ਵਾਕ ਵਿੱਚ 'ਐਵੇਂ ਹੀ ' ਕਿਸ ਦਾ ਪ੍ਰਕਾਰ ਹੈ -
- a) ਅਨਿਸਚੇ ਵਾਚਕ ਪੜਨਾਂਵ
  - b) ਨਿਰਣਾ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ
  - c) ਨਿਸਚੇ ਵਾਚਕ ਵਿਸ਼ੇਸ਼ਣ
  - d) ਪ੍ਰਕਾਰ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ

- 108 ਮਹਾਂਭਾਰਤ ਕਾਲ ਵਿੱਚ ਪੰਜਾਬ ਨੂੰ \_\_\_\_\_ ਕਿਹਾ ਜਾਂਦਾ ਸੀ:
- ਪੈਂਟਾਪੋਟੇਮੀਆ
  - ਪੰਚਨਦ
  - ਪੰਜ-ਆਬ
  - ਸੱਪਤ-ਸਿੰਧਵਾ
- 109 ਵਿਆਹ ਵਿੱਚ ਸ਼ਾਮਲ ਹੋਣ ਲਈ ਸਾਕ-ਸੰਬੰਧੀਆਂ ਨੂੰ ਸੱਦਾ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਅਤੇ ਭਾਈਚਾਰੇ ਵਿੱਚ ਗੁੜ ਜਾਂ ਖੰਡ ਦੀ ਭਾਜੀ ਵੰਡੀ ਜਾਂਦੀ ਹੈ ' ਇਸ ਰਸਮ ਨੂੰ ..... ਆਖਦੇ ਹਨ:
- ਠਾਕਾ
  - ਸਾਹਾ ਕਢਵਾਣਾ
  - ਘਰ ਵਪਾਣਾ
  - ਗੰਢ ਫੇਰਨਾ
- 110 ਸਰਕਾਰੀ ਦਫਤਰਾਂ ਵਿੱਚ ਭਾਸ਼ਾ ਦਾ ਕਿਹੜਾ ਰੂਪ ਵਰਤਿਆ ਜਾਂਦਾ ਹੈ?
- ਉਪਭਾਸ਼ਾਈ
  - ਟਕਸਾਲੀ
  - ਪਿਜ਼ਿਨ
  - ਕਿਰਿਓਲ
- 111 Consider the following statements  
The Attorney General of India can
- Take part in the proceedings of the Lok Sabha
  - Be a member of a committee of the Lok Sabha
  - Speak in the Lok Sabha
  - Vote in the Lok Sabha
- Which of the statements given above is/ are correct?
- 1 only
  - 1 and 3 only
  - 2 and 4 only
  - 1, 2 and 3 only
- 112 The largest river system in peninsular India is
- Tapti
  - Narmada
  - Godavari
  - Kavery



113 Weather, including turbulent wind, storms, and most clouds, occur in which layer/s of the atmosphere?

1. Troposphere
2. Stratosphere
3. Mesosphere
4. Thermosphere

Which of the statement/s given above is/are correct?

- a) 1 only
- b) 1 and 3 only
- c) 1 and 2, and 3 only
- d) 1, 2, 3 and 4 only

114 ICAR has signed a MoU with which company, for guiding the farmers on scientific cultivation of different crops?

- a) Microsoft
- b) Google Maps
- c) Amazon Kisan
- d) Future Generali

115 Consider the following statements:

Statement I : Heavy water (Deuterium Oxide) is used as Moderator and coolant in the Nuclear power generation.

Statement II: U-235, U-233, Plutonium-239 and Thorium are used as fuel in Nuclear reactor.

Which of the above statement(s) is/are correct?

- a) Only II
- b) only I
- c) Neither I nor II
- d) Both I and II

116 When was the “Prohibition of Employment as Manual Scavengers and their Rehabilitation Act” enacted in India?

- a) 2000
- b) 2005
- c) 2010
- d) 2013

- 117 Which state has the top access to safe drinking water in India?
- a) Tamil Nadu
  - b) West Bengal
  - c) Punjab
  - d) Bihar
- 118 With reference to Indo – Islamic Architecture, which of the following were used as a construction material?
- I. Dressed stone
  - II. Quartzite
  - III. Sandstone
  - IV. Buff
- Select the correct option
- a) 1,2,4
  - b) 2,3,4
  - c) 1,2,3
  - d) 1,2,3 and 4
- 119 Where did Shri Guru Gobind Singh Ji meet Banda Bahadur for the first time?
- a) Agra
  - b) Anandpur Sahib
  - c) Nanded
  - d) Chamkaur
- 120 The Satyarth Prakash was written by:
- a) Raja Ram Mohan Roy
  - b) Swami Dayanand Saraswati
  - c) Lala Lajpat Rai
  - d) Pandit Shraddha Ram Phillauri

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# **SPACE FOR ROUGH WORK**

# PUNJAB PUBLIC SERVICE COMMISSION

Objective Type Test (Sept-2023) for Recruitment to the Post of Assistant Town Planner  
(Group A) in the Department of Local Government (Municipal Corporation),  
Government of Punjab

READ INSTRUCTIONS BEFORE FILLING ANY DETAILS OR ATTEMPTING TO ANSWER THE QUESTIONS.

Total Questions: 120  
Time Allowed: 2 Hours

Candidate's Name \_\_\_\_\_

Father's Name \_\_\_\_\_

Date of Birth          
DD MM YYYY

OMR Response Sheet No. \_\_\_\_\_

Roll No. \_\_\_\_\_

Candidate's Signature (Please sign in the box)

Question  
Booklet Set

D

Booklet Series

## INSTRUCTIONS

1. The candidate shall NOT open this booklet till the time told to do so by the Invigilation Staff. However, in the meantime, the candidate can read these instructions carefully and subsequently fill the appropriate columns given above in CAPITAL letters. The candidate may also fill the relevant boxes out of 1 to 9 of the Optical Mark Reader (OMR) response sheet, supplied separately.
2. Use only blue or black **ball point pen** to fill the relevant columns on this page as well as in OMR sheet. Use of Ink pen or any other pen is not allowed.
3. The candidate shall be liable for any adverse effect if the information given above is wrong or illegible or incomplete.
4. Each candidate is required to attempt 120 questions in 120 minutes, except for orthopedically/visually impaired candidates, who would be given 40 extra minutes, for marking correct responses on the OMR sheet.
5. The question paper booklet has 25 pages.
6. The candidates, when allowed to open the question paper booklet, must first check the entire booklet to confirm that the booklet has complete number of pages, the pages printed correctly and there are no blank pages. In case there is any such error in the question paper booklet then the candidate should IMMEDIATELY bring this fact to the notice of the Invigilation Staff and obtain a new booklet of the same series as given earlier.
7. The serial number of the new Question booklet if issued for some reason should be entered in the relevant column of the OMR. The Invigilation Staff must make necessary corrections in their record regarding the change in the serial no. of Question booklet.
8. The paper consists of total 480 Marks. Each question shall carry 4 marks. There are four options for each question and the candidate has to mark the MOST APPROPRIATE answer on the OMR response sheet.
9. There is negative marking (1 mark for each question) for questions wrongly answered by the candidate.
10. Use of Electronic/Manual Calculator is prohibited.
11. The candidate MUST READ INSTRUCTIONS BEHIND THE OMR SHEET before answering the questions and check that two carbon copies attached to the OMR sheet are intact.

- 1 According to URDPFI guidelines, range of population served for Integrated School with hostel facility (Class I-XII) is
  - a) 45,000 -50,000
  - b) 50,000 – 65 lakh
  - c) 1 lakh to 1.2 lakh
  - d) 90,000 – 1 lakh
- 2 The term Conurbation was coined by:
  - a) Lewis Mumford
  - b) Patrrick Geddes
  - c) Le Corbusier
  - d) Ebenezer Howard
- 3 The overall density of population of a settlement is the ratio between:
  - a) Total population to total built-up area
  - b) Adult population to total built- up area
  - c) Total population to total residential area
  - d) Total population to total area
- 4 The Master Plan for modern Bhubaneswar City was prepared by \_\_\_\_\_
  - a) Le- Corbusier
  - b) Otto Koenigsberger
  - c) Lingaraj Prasad Patnaik
  - d) Ludwing Karl Hilberseimer
- 5 Which of the following is an Indian portal catering to requirements of satellite imagery?
  - a) Gagan
  - b) Glonass
  - c) Bhuvan
  - d) Galileo
- 6 The UN World Commission on Environment and Development is also known as:
  - a) Hoover Commission
  - b) The Brundtland Commission
  - c) The Green Commission
  - d) The Hope Commission

- 7 An aircraft flying at an altitude of 5000 m above mean sea level takes aerial photographs of a flat terrain having an average elevation of 1000 m above mean sea level. The scale of photographs is 1:20000. Then the area covered on ground (in hectare) by each photo format of 18 cm x 18 cm is
- 1266
  - 1276
  - 1286
  - 1296
- 8 Plan within the plan " refers to:
- Incremental Planning approach
  - Rationalistic Planning approach
  - Equity Planning approach
  - Middle Range Planning approach
- 9 Various levels of shopping facilities in urban settlements as stipulated by the National Building Code, 2005 are
- convenient shops, cluster centre, sector centre, community centre, district centre
  - informal shops, formal shops, general retail service and repairs, wholesale
  - petty shopping, cluster shopping, community centre, district centre, central business district
  - convenient shopping, local shopping, community centre, district centre, local wholesale market.
- 10 In PIEV theory of transportation, "P" "I" "E" "V" stands for
- Passenger, Intermediate, Elevation and Volume
  - Population, Imagination, Exact Location and Volition
  - Perception, Intellection, Emotion and Volition
  - Public, Inspiration, Entertainment and Venue
- 11 What would be the area of a neighbourhood if it is to be within walk-able distance of 400 m radius?
- Approximately 151 acres
  - Approximately 224 acres
  - Approximately 124 acres
  - Approximately 102 acres
- 12 External Cordon Survey and Internal Cordon Survey are techniques for conducting
- Environmental survey
  - Socio-economic survey
  - Traffic survey
  - Income survey

- 13 What is the Passenger Car Unit (PCU) value of a motorcycle?
- a) 1
  - b) 0.2
  - c) 0.3
  - d) 0.5
- 14 In the context of urban transport, 'bottlenecks' refers to:
- a) A portion of road with lowest capacity along the route
  - b) An unregulated traffic junction
  - c) A road with excessively high traffic
  - d) A road with railway crossing
- 15 Which of the following represents traffic volume from one key area to another in a desire line map?
- a) Dark line
  - b) Circles
  - c) Triangles
  - d) Dots
- 16 The housing stock of the town has a total number of 12000 dwelling units. The present population of the town is 80000. Assuming the average household size of 5, the housing shortage in percentage is:
- a) 25
  - b) 15
  - c) 20
  - d) 22
- 17 A housing complex has 250 units of 80 sq.m each and 200 units of 100 sq.m each. If the mandatory parking requirement is one car per 100 square meter of built space, then the total no of car parking is \_\_\_\_\_ cars.
- a) 400
  - b) 300
  - c) 200
  - d) 600
- 18 For the Rural Water Supply Schemes, for providing domestic requirements, the norm adopted is :
- a) 40 lpcd
  - b) 70 lpcd
  - c) 80 lpcd
  - d) 100 lpcd

- 19 Match List I (Standard Safety Colour Code) with List II (Usage) and choose the correct option from the codes given below the lists:

| List I    | List II                      |
|-----------|------------------------------|
| P. Blue   | 1. Biodegradable waste       |
| Q. Green  | 2. Fire protection equipment |
| R. Red    | 3. Recyclable waste          |
| S. Yellow | 4. Stumbling against hazards |
|           | 5. Radiation standards       |

Code:

- |      |   |   |   |
|------|---|---|---|
| P    | Q | R | S |
| a) 3 | 1 | 2 | 4 |
| b) 3 | 4 | 5 | 1 |
| c) 1 | 3 | 2 | 5 |
| d) 1 | 5 | 2 | 4 |
- 20 SCADA is an advanced technology used in several cities. In which of the following sector does it find its application?
- a) Centralised heating and cooling
  - b) Water supply and sewage management
  - c) Transportation planning
  - d) GIS and remote sensing
- 21 A waste water pipe connecting two inspection chambers (IC) is laid at a slope of 1:200. The Invert Level of the starting IC is -450 mm. The Invert level of the second pit at a distance of 40 m from the first IC is
- a) -550 mm
  - b) -200 mm
  - c) -650 mm
  - d) -250 mm
- 22 Under the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013, how much original period is stipulated for declaring award from the date of publication of declaration under section 19 of the Act?
- a) six months
  - b) twelve months
  - c) eighteen months
  - d) twenty-four months



- 23 Which schedule of the 74th Constitutional Amendment Act 1992 refers to "Preparation of five-year development Plans as a mandatory service of the Urban Local Bodies?
- a) 10th Schedule
  - b) 11th Schedule
  - c) 12th Schedule
  - d) 13th Schedule
- 24 Liquidated damage refers to the
- a) Cost borne by the contractor to rectify the defects within Defect-Liability Period
  - b) Compensation paid on breach of contract to the affected party by the other party
  - c) Money paid by the insurance company to the owner of insured property if it is damaged
  - d) Money earned by the owner from selling damaged property through auction
- 25 Integrated Township area shall not include the area under
- a) Residential zone
  - b) Notified forest area
  - c) Commercial zone
  - d) Agricultural zone
- 26 Punjab Urban Planning and Development Authority was established in the year
- a) 1996
  - b) 1997
  - c) 1995
  - d) 1999
- 27 In multi-storey projects, which of the following can be used to build more floor area than the permissible FSI?
- a) FSI/FAR optimization
  - b) Temporary structure above the permissible height limit
  - c) Building a basement/ stilt/ underground parking
  - d) TDR certificate
- 28 Which Indian city is often referred to as the "Garden City" due to its emphasis on urban green spaces and planning?
- a) Mumbai
  - b) New Delhi
  - c) Bengaluru
  - d) Kolkata

- 29 What is the primary goal of "new urbanism"?
- a) Promoting large-scale industrial development
  - b) Encouraging suburban sprawl
  - c) Creating walkable and sustainable urban neighbourhoods
  - d) Focusing exclusively on high-rise building construction
- 30 In transportation planning, "Complete Streets" aim to:
- a) Reduce the number of streets within a city
  - b) Prioritize pedestrian safety over vehicle traffic over
  - c) Streets having mixed land use , complete with landscaping, street furniture and Disabled friendly design features
  - d) Design streets for safe use by all modes of transportation, including pedestrians and cyclists
- 31 The "Population Pyramid" graphically represents:
- a) Total population of a country
  - b) Birth rates only
  - c) Age and gender distribution of a population
  - d) Urban and rural population distribution
- 32 The "Triple Bottom Line" concept in sustainable development refers to:
- a) Balancing economic, social, and environmental considerations
  - b) Prioritizing environmental preservation of flora and fauna in all biomes
  - c) Focusing on economic growth, capital accumulation and expenditures
  - d) Ignoring parity in favor of environmental goals and social equity
- 33 What is the primary goal of "Resilient Urban Planning"?
- a) Maximizing economic growth by providing excellent infrastructures
  - b) Prioritizing disaster management along with aesthetics in city design
  - c) Expanding urban sprawl and giving a roof to everyone
  - d) Strengthening a city's ability to adapt to shocks and stresses
- 34 The concept of "Regenerative Urbanism" focuses on:
- a) Creating cities that actively contribute to environmental restoration and renewal
  - b) Designing cities for rapid growth and expansion catering to increasing population
  - c) Exploiting natural resources for short-term economic gains
  - d) Prioritizing aesthetics over functionality in urban design

- 35 The Smart Cities Mission aims to:
- a) Concentrate urban development exclusively in existing metropolitan areas
  - b) Develop only large cities as smart cities
  - c) Promote technological innovation and improve infrastructure in select cities
  - d) Neglect the ecology and environment in urban planning
- 36 The National Urban Information System (NUIS) focuses on:
- a) Enhancing the collection and dissemination of urban data for effective planning
  - b) Policing on people through collection of data
  - c) Collecting personal information of urban residents
  - d) Promoting information collection about informal urban settlements
- 37 The Atal Mission for Rejuvenation and Urban Transformation (AMRUT) aims to:
- a) Providing urban infrastructure development entirely in Old City Fabrics
  - b) Ensure basic infrastructure services and improve quality of life in cities
  - c) Support development in rural areas
  - d) Exclusively focus on industrial growth within urban areas
- 38 "Variable Message Signs" (VMS) are used for:
- a) Displaying real-time information and alerts to drivers
  - b) Providing excessive information to drivers
  - c) Countering traffic mis-management around schools
  - d) Promoting billboard advertisements
- 39 ECBC covers which aspects of building design and operation?
- a) Ignoring lighting and ventilation
  - b) Only promoting renewable energy sources
  - c) Exclusively focusing on exterior aesthetics
  - d) Energy performance, lighting, HVAC, and building envelope
- 40 GRIHA ratings are based on a scale of:
- a) 1 to 10
  - b) Only pass or fail
  - c) 1 to 100
  - d) Exclusively 5 levels

- 41 Which of the following building materials has the lowest embodied carbon?
- a) Rammed Earth
  - b) Steel
  - c) Reinforced Concrete
  - d) Glass
- 42 "Cluster Development" in industrial estate planning refers to:
- a) Ignoring the grouping of similar industries with less than 5KW load
  - b) Exclusively promoting individual standalone factories
  - c) Concentrating related industries in close proximity for synergies and resource sharing
  - d) Promoting isolated industries with higher than 5KW load
- 43 "Bioremediation" is a waste treatment process that:
- a) Mitigates environmental concerns of waste through chemical processes
  - b) Uses microorganisms to break down or neutralize pollutants in waste
  - c) Promotes landfilling of waste
  - d) Exclusively focuses on waste incineration
- 44 The "One Water" approach emphasizes:
- a) Integrating the management of all water sources for sustainability
  - b) Separating water sources for different uses
  - c) Exclusively focusing on drinking water supply
  - d) Promoting storm water management
- 45 The 73rd Amendment reserves seats for which category in Panchayats?
- a) Scheduled Castes (SC)
  - b) General category
  - c) Religious minorities
  - d) Foreign nationals
- 46 As per National Urban Housing and Habitat Policy 2007, States/UTs are advised to develop \_\_\_\_\_ with emphasis on EWS and LIG sectors
- a) 5 years perspective Housing Plans
  - b) 10 years perspective Housing Plans
  - c) 20 years perspective Housing Plans
  - d) None of the above

- 47 What amount of Central Assistance per EWS house is provided by the Government of India under AHP in PMAY(U).
- a) 5 Lakh
  - b) 3 Lakh
  - c) 1.5 Lakh
  - d) 1 Lakh
- 48 To provide long term finance for construction of houses for residential purposes & undertake housing and urban development programmes in the country is one of the main objectives of which of the following Public Limited Company?
- a) LIC
  - b) NBCC
  - c) HUDCO
  - d) None of the above
- 49 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) The lowest hierarchy street within residential zone of Master Plan shall be minimum 40 feet or 12 meters wide
  - b) The lowest hierarchy street within residential zone of Master Plan shall be minimum 30 feet or 9 meters wide
  - c) The lowest hierarchy street within residential zone of Master Plan shall be minimum 20 feet or 6 meters wide
  - d) None of the above
- 50 Which is/are the correct statements as per Zoning regulations and development controls for Master Plans in the State of Punjab?
- a) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 80'-0" and above shall have 'No construction zone of 5 meter from the proposed Right of Way after leaving land for road widening, if only
  - b) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 40'-0" and above shall have 'No construction zone of 2.5 meter from the proposed ROW after leaving land for road widening, if any
  - c) All properties within the jurisdiction of LPA that abuts on NH/SH/ By-pass and for road width of 120'-0" and above shall have 'No construction zone of 7.5 meter from the proposed Right of Way after leaving land for road widening, if only
  - d) None of the above

- 51 High rise building as per NBC means
- a) A building 15m or below in height
  - b) A building 15m or above in height
  - c) A building 25m or above in height
  - d) A building 50 m or above in height
- 52 The dimensions of a rectangular settling tank are L=25 m, B=6 m, H=3 m. If the detention time recommended for the tank is 2hr, find the rate of flow of sewage per hour
- a) 225 /hr
  - b) 215 /hr
  - c) 220 /hr
  - d) 224 /hr
- 53 What is the name of the Landform having deep valleys with very steep to straight sides?
- a) Canyon
  - b) Plunge Pools
  - c) Entrenched Meanders
  - d) Gorges
- 54 According to BIS, what is the acceptable limit of Fluoride in drinking water?
- a) 1.0 mg/l
  - b) 2.0 mg/l
  - c) 2.5 mg/l
  - d) 3.0 mg/l
- 55 According to draft EIA 2020, the projects are classified into
- a) Category A, Category B and Category C
  - b) Category A1, Category A2 and Category B1
  - c) Category A, Category B1 and Category B2
  - d) Category A1, Category A2 and Category A3
- 56 As per the 12th Schedule of the 74th Constitutional Amendment Act, the Urban Planning is a function of
- a) Panchayat Raj Institutions
  - b) Urban Local Bodies
  - c) Development Authorities
  - d) Town Planning Department

- 57 For the design of sewers in India, the percentage of sewage discharge is assumed as:
- a) 25-30% of water supplied from water works
  - b) 75-80% of water supplied from water works
  - c) 50% of water supplied from water works
  - d) 100% of water supplied from water works
- 58 Which Sustainable Development Goal (SDG) is related to No Poverty?
- a) Goal 1
  - b) Goal 5
  - c) Goal 6
  - d) Goal 12
- 59 A 20 cm line on a map in 1:4500 scale represents an actual dimension of
- a) 900 m
  - b) 900 cm
  - c) 9000 m
  - d) 9000 cm
- 60 “Summit Curve” in planning is associated with
- a) Population projection
  - b) Land use
  - c) Roads and flyovers
  - d) Density
- 61 Which of the following is the Bow shaped town plan as per Mansara Shilpa-shastra?
- a) Dandaka
  - b) Karmukha
  - c) Padmaka
  - d) Prastara
- 62 Mohenjo-Daro is based on which of the following patterns?
- a) Grid- Iron Pattern
  - b) Concentric
  - c) Radial
  - d) Linear

- 63 To plan a town or urban area, there has to be a survey done to understand the various aspects; which is quoted as "Survey before Plan". Who said this?
- a) Lewis Mumford
  - b) Sir Ebenezer Howard
  - c) Vitruvius
  - d) Sir Patrick Geddes
- 64 What is per hectare per day fire-fighting water station demand for commercial area?
- a) 1800 liters
  - b) 3600 liters
  - c) 45000 liters
  - d) 22500 liters
- 65 What is a minimum longitudinal gradient of percent necessary to facilitate flow of water in side drains?
- a) 0.3%
  - b) 3.0%
  - c) 30.0%
  - d) 30.3%
- 66 As per Zoning regulations, which of the following activities are restricted in commercial zones?
- a) Taxi Stand
  - b) Railway Yard
  - c) Pet clinic
  - d) Warehousing and covered storage
- 67 In Planning System, Master Plan is associated with which of the Core area of planning?
- a) Perspective Plan
  - b) Regional Plan
  - c) Development Plan
  - d) Local Area Plan



- 68 Match the characteristics in List I with the type of settlements in List II as given in URDPFI Guidelines 2015, Government of India and choose the correct option from the codes given below the lists:

List I

- (P) Towns that are notified under law by the concerned State/UT Government and have local bodies like Municipal Corporations, Municipalities, Municipal Committees, etc.
- (Q) Towns having potential for investment and development; identified on the basis of their inter-aerial relationship with the regional nodal centre
- (R) Settlements that are growing sub-nodal centres but located out of the direct functionally linked areas of the growth node / nodal centre in the region
- (S) Zones of transition from rural to urban land uses located between the outer limits of urban and regional centres and the rural environment

List II

- (1) Counter-Magnets  
(2) Peri-Urban Areas  
(3) Priority Towns  
(4) Statutory Towns

Code:

- |      | P | Q | R | S |
|------|---|---|---|---|
| a) 4 | 3 | 1 | 2 |   |
| b) 3 | 1 | 4 | 2 |   |
| c) 4 | 1 | 2 | 3 |   |
| d) 1 | 2 | 3 | 4 |   |

- 69 What is the scale of Maps for Planning Metropolitan Regional Plan according to URDPFI?

- a) 1:25,000 – 1:10,000  
b) 1:50,000 – 1:35,000  
c) 1:10,000 – 1:8,000  
d) 1:50,000 – 1:25,000

- 70 Which among the following is not an element of ekistics?

- a) Man  
b) Shells  
c) Culture  
d) Nature

- 71 “Structured social inequality in a given society leading to division into groups” is often called
- a) Social change
  - b) Social problem
  - c) Socialization
  - d) Social stratification
- 72 With respect to Foreign trade, an area where trade barriers (both tariff and non-tariff) are removed is called a \_\_\_\_\_
- a) Special Economic Zone (SEZ)
  - b) Free Trade Area (FTA)
  - c) Preferential Trade Area (PTA)
  - d) Economic Union
- 73 Rearrange the following steps of planning formulation:
- 1) Plan implementation
  - 2) Monitoring
  - 3) Evaluation & review
  - 4) Development of aims and objectives
- a) 3-4-1-2
  - b) 4-1-2-3
  - c) 4-2-1-3
  - d) 4-3-2-1
- 74 Which of the following is NOT one of the basic objectives of National Urban Sanitation Policy, 2008?
- a) Sewage treatment must be integrated along with its billing
  - b) Cities must be open defecation free
  - c) Elimination of the practice of manual scavenging
  - d) Improved public health outcomes and environmental standards
- 75 What should urban roadway systems consist of to serve various transportation modes?
- a) Only streets and highways for automobiles and trucks
  - b) Only transit routes for public transportation
  - c) A multimodal network of streets and highways serving automobiles, trucks, transit, bicyclists, and pedestrians
  - d) Only pedestrian walkways and bicycle lanes

- 76 What is one of the major options available to transportation planners to address constraints in adding additional capacity to the highway network in metropolitan areas?
- a) Building more highways and roads.
  - b) Implementing Transportation Demand Management (TDM) strategies.
  - c) Expanding public transportation networks only.
  - d) Encouraging carpooling and ridesharing services only.
- 77 Under PMAY-U, what does the term "in-situ slum redevelopment" refer to?
- a) Relocating slum dwellers to affordable housing projects in the outskirts of the city
  - b) Upgrading and redeveloping existing slums without displacing the residents
  - c) Demolishing slums and constructing high-rise buildings in the same location
  - d) Providing financial assistance to slum dwellers for purchasing new homes
- 78 What is the target beneficiaries' category for slum development under PMAY-U?
- a) Only BPL (Below Poverty Line) families residing in slums
  - b) All residents of slums, regardless of income level
  - c) Only the elderly and differently abled individuals in slums
  - d) Slum dwellers who own land and can invest in redevelopment
- 79 Which is the first In-Situ Slum Redevelopment project done by the Delhi Development Authority in Delhi under PPP mode?
- a) Kalkaji Extension
  - b) Kusumpur Pahari
  - c) Seemapuri Slum
  - d) Kathputli Colony
- 80 \_\_\_\_\_ aimed at providing subsidies for construction of housing and sanitation for urban slum dwellers living below poverty line in different towns/cities all over the country.
- a) Pradhan Mantri Awas Yojana (PMAY)
  - b) Mahatma Gandhi National Rural Employment Guarantee Scheme (MGNREGA)
  - c) The Valmiki Ambedkar Awas Yojana (VAMBAY)
  - d) Integrated Housing and Slum Development Programme (IHSDP)
- 81 As per the National Urban Housing and Habitat Policy 2007, How much percentage of Floor Area Ratio is reserved for EWS/LIG in the spatial incentives section?
- a) 5-10%
  - b) 10-15%
  - c) 15-20%
  - d) 20-25%

- 82 The SI unit of Energy Performance Index (EPI) as per ECBC norms is \_\_\_\_\_
- a) Kilo-watt-hours
  - b) Kilo-watts
  - c) Kilo-watt-hours/m
  - d) Kilo-watt-hours/square meter

- 83 As per the Energy Conservation and Building Code 2017, Evaporative cooling is identified as:

- a) Low-Energy Comfort System
- b) High-Energy Comfort System
- c) Passive Cooling system
- d) It doesn't exist in the code

- 84 Match List I with List II and choose the correct option from the codes given below the lists

List I  
(Green Building rating System)

- P. CASBEE
- Q. BREEAM
- R. LEED
- S. GRIHA

List II  
(Parent Country)

- 1. USA
- 2. UK
- 3. India
- 4. Japan

Code:

- |      | P | Q | R | S |
|------|---|---|---|---|
| a) 4 | 2 | 1 | 3 |   |
| b) 1 | 4 | 2 | 3 |   |
| c) 2 | 1 | 4 | 3 |   |
| d) 3 | 1 | 4 | 2 |   |

- 85 According to the URDPFI Guidelines, 2014, what percentage of the developable area is proposed for industrial land use structure in industrial towns?

- a) 30-35
- b) 25-30
- c) 35-40
- d) 40-45

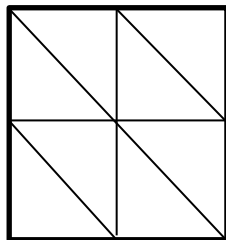
- 86 Wastewater from food processing industry are often screened and treated through:

- a) Oxidation ponds
- b) Intermittent filters
- c) Septic tanks
- d) Filtration Pit

- 87 Which of the following activities belong to the primary sector of the economy?
- a) Construction
  - b) Manufacturing
  - c) Public Administration
  - d) Mining & quarrying
- 88 The volume reduction in solid waste in “Bio methanation” is:
- a) 20-30%
  - b) 40-50%
  - c) 55-65%
  - d) 70-80%
- 89 What is the Acceptable limit of Total dissolved solids (TDS) for drinking water?
- a) 500 mg/l
  - b) 2000 mg/l
  - c) 200 mg/l
  - d) 1000 mg/l
- 90 Which Fifth Year Plan emphasized the need for Regional Planning in economic development?
- a) First Fifth Year Plan
  - b) Second Fifth Year Plan
  - c) Third Fifth Year Plan
  - d) Fourth Fifth Year Plan
- 91 ‘ \_\_\_\_\_ ਦੀ ਜੁੱਤੀ ਮਾਰਨੀ’ ਮੁਹਾਵਰਾ ਪੂਰਾ ਕਰੋ:
- a) ਲੱਕੜ
  - b) ਰਬੜ
  - c) ਚਾਂਦੀ
  - d) ਮੁਫਤ
- 92 ਸੁੱਧ-ਅਸੁੱਧ ਦਾ ਸਹੀ ਜੋੜਾ ਚੁਣੋ:
- a) ਅੰਮਰਿਤ/ਅੰਮਰਤ
  - b) ਸੁਨੈਰੀ/ਸੁਨਹੈਰੀ
  - c) ਸੋਹਰਾ/ਸੁਹਰਾ
  - d) ਜੋਹੜਾ/ਜਿਹੜਾ

- 93 ਕਿਹੜਾ ਸ਼ਬਦ 'ਸਤਿ' ਅਗੇਤਰ ਨਾਲ ਨਹੀਂ ਬਣਿਆ:
- ਸਤਿਸੰਗ
  - ਸਤਿਪ੍ਰਕਾਸ਼
  - ਸਤਿਨਾਮ
  - ਸਤਿਆ
- 94 'ਤੂੰ ਘਰ ਗਿਆ ਸੀ ਤਾਂ ਮੈਨੂੰ ਦੱਸਿਆ ਕਿਉਂ ਨਹੀਂ \_\_' ਵਾਕ ਨਾਲ ਸਹੀ ਵਿਸ਼ਰਾਮ ਚਿੰਨ੍ਹ ਲਗਾਓ:
- ?
  - !
  - .
  - |
- 95 'Etymology' ਦਾ ਭਾਵ ਹੈ:
- ਗਿਆਨ-ਵਿਗਿਆਨ
  - ਨਿਰੁਕਤੀ
  - ਅਰਥ-ਵਿਗਿਆਨ
  - ਗਿਆਨ
- 96 ਤਿੰਨ ਮਹੀਨਿਆਂ ਦੇ ਲਈ ਪੰਜਾਬੀ ਵਿੱਚ ਵਰਤਿਆ ਜਾਣ ਵਾਲਾ ਸ਼ਬਦ ਹੈ:
- ਤਿਮਾਹੀ
  - ਤਿੰਨ ਮਾਹੀ
  - ਤਿਨ ਮਾਸਿਕ
  - ਤ੍ਰੈਮਾਹੀਆ
- 97 ਬੱਚਾ ਤੁਰਦਾ ਤੁਰਦਾ ਐਵੇਂ ਹੀ ਇੱਧਰ ਆ ਗਿਆ ' ਵਾਕ ਵਿੱਚ 'ਐਵੇਂ ਹੀ ' ਕਿਸ ਦਾ ਪ੍ਰਕਾਰ ਹੈ –
- ਅਨਿਸਚੇ ਵਾਚਕ ਪੜਨਾਂਵ
  - ਨਿਰਣਾ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ
  - ਨਿਸਚੇ ਵਾਚਕ ਵਿਸ਼ੇਸ਼ਣ
  - ਪ੍ਰਕਾਰ ਸੂਚਕ ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ

- 98 ਮਹਾਂਭਾਰਤ ਕਾਲ ਵਿੱਚ ਪੰਜਾਬ ਨੂੰ \_\_\_\_\_ ਕਿਹਾ ਜਾਂਦਾ ਸੀ:
- ਪੈਂਟਾਪੋਟੇਮੀਆ
  - ਪੰਚਨਦ
  - ਪੰਜ-ਆਬ
  - ਸੱਪਤ-ਸਿੰਧਵਾ
- 99 ਵਿਆਹ ਵਿੱਚ ਸ਼ਾਮਲ ਹੋਣ ਲਈ ਸਾਕ-ਸੰਬੰਧੀਆਂ ਨੂੰ ਸੱਦਾ ਭੇਜਿਆ ਜਾਂਦਾ ਹੈ ਅਤੇ ਭਾਈਚਾਰੇ ਵਿੱਚ ਗੁੜ ਜਾਂ ਖੰਡ ਦੀ ਭਾਜੀ ਵੰਡੀ ਜਾਂਦੀ ਹੈ ' ਇਸ ਰਸਮ ਨੂੰ ..... ਆਖਦੇ ਹਨ:
- ਠਾਕਾ
  - ਸਾਹਾ ਕਢਵਾਣਾ
  - ਘਰ ਵਪਾਣਾ
  - ਗੰਢ ਫੇਰਨਾ
- 100 ਸਰਕਾਰੀ ਦਫਤਰਾਂ ਵਿੱਚ ਭਾਸ਼ਾ ਦਾ ਕਿਹੜਾ ਰੂਪ ਵਰਤਿਆ ਜਾਂਦਾ ਹੈ?
- ਉਪਭਾਸ਼ਾਈ
  - ਟਕਸਾਲੀ
  - ਪਿਜ਼ਿਨ
  - ਕਿਰਿਓਲ
- 101 In a certain code language,  
'134' means 'come and go';  
'478' means 'you come tomorrow' and  
'729' means 'tomorrow is monday'.  
Which of the following digits stands for 'you'?
- 9
  - 2
  - 1
  - 8
- 102 What is the number of triangles in the following figure?



- 8
- 10
- 12
- 14

103 Find x in the following:

|   |   |   |   |
|---|---|---|---|
| 1 | x | 2 | 8 |
| 3 | 7 | 3 | 2 |
| 2 | 3 | 8 | 2 |
| 9 | 1 | 2 | 3 |

- a) 1
  - b) 2
  - c) 3
  - d) 4
- 104 Looking at a portrait of a woman, Ramesh said, "Her mother is the wife of my father's son. Brothers and sisters I have none." At whose portrait was Ramesh looking?
- a) His aunt
  - b) His Daughter
  - c) His niece
  - d) His cousin
- 105 In the new budget, the price of kerosene oil rose by 75%. By how much percent (approx.) must a person reduce his consumption so that his expenditure on it does not increase?
- a) 50%
  - b) 75%
  - c) 43%
  - d) 20%
- 106 Archers 'A' and 'B' take aim at a target. If the probability of 'A' hitting the target is 50 % and of B missing the target is 50 %. What is the probability that both 'A' and 'B' miss the target?
- a) 50%
  - b) 90%
  - c) 25%
  - d) 75%
- 107 Naman purchased 80 fans and sold them. If the cost price of 80 fans is same as selling price of p fans, find p if the profit percent is 25%?
- a) 68
  - b) 64
  - c) 56
  - d) 58



- 108 A man lent Rs.2500, part of this at 4.5% and the rest at 5.5% per annum simple interest. The whole annual interest amounted to Rs. 127.5. How much did he lend at 5.5%?

a) Rs. 1200  
b) Rs. 1100  
c) Rs. 1000  
d) Rs. 1500

- 109 Select the correct analogy of

STUBBORN: OBSTINATE

a) mulish: tractable  
b) trepidation: confident  
c) impecunious: penny  
d) gloomy: morose

- 110 A city poll of the community showed that 88 percent of respondents believe that an appropriate amount of the city budget is being spent on parks and recreation. It seems, then, that any significant increase in the city budget should be spent on something other than parks and recreation.

Which one of the following describes a flaw in reasoning in the above argument?

a) The argument confuses the percentage of the budget spent on parks and recreation with the amount of money spent on parks and recreation.  
b) The argument does not justify its presumption that what is true of a portion of the budget also applies to the total budget.  
c) The argument fails to consider that less money could be spent and a significant percentage of the community would still find that amount to be appropriate.  
d) The argument fails to consider that if more money from the budget were spent on parks and recreation, then an even larger percentage of the community might approve of that use of the budget.

- 111 Consider the following statements

The Attorney General of India can

1. Take part in the proceedings of the Lok Sabha
2. Be a member of a committee of the Lok Sabha
3. Speak in the Lok Sabha
4. Vote in the Lok Sabha

Which of the statements given above is/ are correct?

a) 1 only  
b) 1 and 3 only  
c) 2 and 4 only  
d) 1, 2 and 3 only

- 112 The largest river system in peninsular India is  
a) Tapti  
b) Narmada  
c) Godavari  
d) Kavery
- 113 Weather, including turbulent wind, storms, and most clouds, occur in which layer/s of the atmosphere? 1. Troposphere 2. Stratosphere 3. Mesosphere 4. Thermosphere Which of the statement/s given above is/are correct?  
  
a) 1 only  
b) 1 and 3 only  
c) 1 and 2, and 3 only  
d) 1, 2, 3 and 4 only
- 114 ICAR has signed a MoU with which company, for guiding the farmers on scientific cultivation of different crops?  
  
a) Microsoft  
b) Google Maps  
c) Amazon Kisan  
d) Future Generali
- 115 Consider the following statements:  
  
Statement I : Heavy water (Deuterium Oxide) is used as Moderator and coolant in the Nuclear power generation.  
Statement II: U-235, U-233, Plutonium-239 and Thorium are used as fuel in Nuclear reactor .  
Which of the above statement(s) is/are correct?  
  
a) Only II  
b) only I  
c) Neither I nor II  
d) Both I and II
- 116 When was the “Prohibition of Employment as Manual Scavengers and their Rehabilitation Act” enacted in India?  
  
a) 2000  
b) 2005  
c) 2010  
d) 2013

- 117 Which state has the top access to safe drinking water in India?
- a) Tamil Nadu
  - b) West Bengal
  - c) Punjab
  - d) Bihar
- 118 With reference to Indo – Islamic Architecture, which of the following were used as a construction material?
- I. Dressed stone
  - II. Quartzite
  - III. Sandstone
  - IV. BuffSelect the correct option
- a) 1,2,4
  - b) 2,3,4
  - c) 1,2,3
  - d) 1,2,3 and 4
- 119 Where did Shri Guru Gobind Singh Ji meet Banda Bahadur for the first time?
- a) Agra
  - b) Anandpur Sahib
  - c) Nanded
  - d) Chamkaur
- 120 The Satyarth Prakash was written by:
- a) Raja Ram Mohan Roy
  - b) Swami Dayanand Saraswati
  - c) Lala Lajpat Rai
  - d) Pandit Shraddha Ram Phillauri

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# **SPACE FOR ROUGH WORK**