

PROVISIONAL ANSWER KEY

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Question1:-Name the country which created first artificial star in 2016

- A:-Russia
- B:-China
- C:-India
- D:-America

Correct Answer:- Option-B

Question2:-Author of famous work 'Vaishaka Vijaya'

- A:-Kerala Varma Valiya koyi Tamburan
- B:-Kunjan Nambiar
- C:-Chandumenon
- D:-Kumaranasan

Correct Answer:- Option-A

Question3:-'Bharathaparyadanam' is belonging to which literary section

- A:-Novel
- B:-Travlogue
- C:-Criticism
- D:-Short story

Correct Answer:- Option-C

Question4:-Recipient of prestigious Rao Bahadur Award

- A:-O. Chandumenon
- B:-Ulloor
- C:-Vallotyhol
- D:-Cherusseri

Correct Answer:- Option-A

Question5:-The modern education in the former Travancore state began with the

- A:-Proclamation of 1864
- B:-Proclamation of 1852
- C:-Proclamation of 1853
- D:-Proclamation of 1844

Correct Answer:- Option-D

Question6:-'Sadhujanaparipalan sangam' later came to be known as

- A:-Arayasamajam
- B:-Pulaya maha sabha
- C:-Dalit religious movement
- D:-Sahodara sangam

Correct Answer:- Option-B

Question7:-Which is considered as the 'key to the Indian constitution?

- A:-Articles
- B:-Schedules
- C:-Preamble
- D:-Amendments

Correct Answer:- Option-C

Question8:-Which is known as the Indian Bill Of Rights?

- A:-Fundamental duties
- B:-Directive principles
- C:-Fundamental rights
- D:-Right to information

Correct Answer:- Option-C

Question9:-'Samathwa samajam' was founded by

- A:-Ayya Vaikundar

B:-Sree Narayan Guru
C:-Ayyankali
D:-Sahodaran Ayyappan
Correct Answer:- Option-A

Question10:-The preamble was amended to include the term 'Socialism' in
A:-1972
B:-1976
C:-1971
D:-1975
Correct Answer:- Option-B

Question11:-'Samadarshi' started publication from
A:-Kozhikode
B:-Kottayam
C:-Thrissur
D:-Trivandrum
Correct Answer:- Option-D

Question12:-Recipient of Kendra Sahithya Academy Award in Malayalam 2015
A:-K.R. Meera
B:-Subhash Chandran
C:-Prabhavarma
D:-Sachidanandan
Correct Answer:- Option-A

Question13:-Which is the largest theocratic country in the world?
A:-Iraqe
B:-Vatican
C:-Iran
D:-Israel
Correct Answer:- Option-C

Question14:-Which among the following is the Indian foreign intelligence agency?
A:-RAW
B:-CBI
C:-IB
D:-NIA
Correct Answer:- Option-A

Question15:-'Ethirpu' is the autobiography of
A:-G. Sankarakuruppu
B:-Kesavadev
C:-Vaikkom Muhammed Basheer
D:-Ponkunnam Varkey
Correct Answer:- Option-B

Question16:-'I call it a bed-rock of freedom' said Mahatma Gandhi in connection with the success of which Satyagraha
A:-Guruvayoor Satyagraha
B:-Vaikkom Satyagraha
C:-Paliyam Satyagraha
D:-Kuttankulam Satyagraha
Correct Answer:- Option-B

Question17:-Who affixed the Sign manual to the momentous Temple Entry Proclamation?
A:-Sree Chitira Tirunal
B:-Sethu Lakshmi Bai
C:-Swathi Tirunal
D:-Uthradam Tirunal
Correct Answer:- Option-A

Question18:-Founder of Bhasha poshini
A:-C.V. Kunhiraman
B:-Kandathil Varghese mappila
C:-K.P. Kesavamenon
D:-Balakrishnapillai
Correct Answer:- Option-B

Question19:-Who was arrested in connection with 'Nivartana agitation' at Kozhencher in 1935?

- A:-C. Kesavan
- B:-Vagbhatananda
- C:-P.K. Chathan master
- D:-K. Kelappan

Correct Answer:- Option-A

Question20:-The main centre of civil disobedience movement in Kerala

- A:-Kozhikode
- B:-Payyannur
- C:-Kulachal
- D:-Kundara

Correct Answer:- Option-B

Question21:-The ratio of shear stress to shear strain is called

- A:-Modulus of Rigidity
- B:-Modulus of Elasticity
- C:-Bulk Modulus
- D:-Poisson's Ratio

Correct Answer:- Option-A

Question22:-The criteria for failure of brittle materials as per Rankine's theory is based on

- A:-Shear stress
- B:-Principal stress
- C:-Strain energy
- D:-Shear strain energy

Correct Answer:- Option-B

Question23:-The ratio of bending moment at the centre of a simply supported beam of span L subjected to a point load of W at the centre of the bending moment at the centre of the same beam when a total load of W is uniformly distributed over the entire span is

- A:-2
- B:-1/2
- C:-4
- D:-1/4

Correct Answer:- Option-A

Question24:-The carry over factor in Moment distribution method, for a prismatic member whose far end is fixed is

- A:-0
- B:-1/2
- C:-3/4
- D:-1

Correct Answer:- Option-B

Question25:-The most commonly used retarder in cement is

- A:-Gypsum
- B:-Calcium chloride
- C:-Calcium nitrate
- D:-Sodium nitrate

Correct Answer:- Option-A

Question26:-The property of cement measured by Le-Chatelier Apparatus is

- A:-Initial setting time
- B:-Final setting time
- C:-Consistency
- D:-Soundness

Correct Answer:- Option-D

Question27:-The maximum permissible span for a cantilever of effective depth 0.4 m to satisfy the Deflection requirements as per IS 456:2000 is

- A:-2.8 m
- B:-3.0 m
- C:-3.2 m
- D:-3.6 m

Correct Answer:- Option-A

Question28:-If the depth of neutral axis is greater than the critical depth of neutral axis then the beam is called

- A:-Balanced
- B:-Under reinforced
- C:-Over reinforced

D:-None of these

Correct Answer:- Option-C

Question29:-A gantry girder is subjected to

A:-Lateral loads

B:-Lateral and vertical loads

C:-Longitudinal and vertical loads

D:-Lateral, longitudinal and vertical loads

Correct Answer:- Option-D

Question30:-The cross section with the largest shape factor is

A:-Rectangular

B:-Solid circular

C:-T shaped

D:-Diamond

Correct Answer:- Option-D

Question31:-An isobar is a line which connects all points below the ground surface at which

A:-The local ground elevation is same

B:-The settlement is same

C:-The vertical stress is the same

D:-The ground elevation is varying

Correct Answer:- Option-C

Question32:-The soil in India are classified according to

A:-MIT classification

B:-Unified soil classification system

C:-Particle size classification

D:-International classification system

Correct Answer:- Option-C

Question33:-The strength of soil is usually identified by

A:-Direct tensile stress

B:-Direct compressive stress

C:-Ultimate shear stress

D:-Effective stress

Correct Answer:- Option-C

Question34:-Foundation failure may occur due to

A:-Unequal settlement of subsoil

B:-Shrinkage of soil bed

C:-Lateral escape of soil

D:-All of the above

Correct Answer:- Option-D

Question35:-The soil transported by flowing water is called

A:-Aeolian soil

B:-Marine soil

C:-Alluvial soil

D:-Lacustrine soil

Correct Answer:- Option-C

Question36:-Arrangement made to divert the train from one track to another is known as

A:-Railway crossing

B:-Railway junction

C:-Turn out

D:-None of the above

Correct Answer:- Option-C

Question37:-As per IRC the carriage way width for two lane traffic should be

A:-7.5 m

B:-10 m

C:-12.5 m

D:-15 m

Correct Answer:- Option-A

Question38:-Patching should be done just

A:-After rainy season

B:-After summer season

C:-Before winter season

D:-Before rainy season

Correct Answer:- Option-A

Question39:-Which of the following is not a landing aid?

A:-Beacon

B:-Airport surveillance radar

C:-Localiser antenna

D:-Glide slope antenna

Correct Answer:- Option-A

Question40:-The break water is provided

A:-In artificial harbour

B:-With arm

C:-Both of the above

D:-None of the above

Correct Answer:- Option-C

Question41:-Alcohol is used in manometers because

A:-Alcohol vaporises quickly

B:-Alcohol is cheaper than mercury

C:-Alcohol has larger value of bulk modulus of elasticity

D:-Alcohol is lighter as such gives longer length of column for precise measurement

Correct Answer:- Option-D

Question42:-Vacuum pressure is equivalent to

A:-Atmospheric pressure - Absolute pressure

B:-Atmospheric pressure + Absolute pressure

C:-Absolute pressure - Atmospheric pressure

D:-Absolute pressure + Atmospheric pressure

Correct Answer:- Option-A

Question43:-A pipe is said to be long if its length exceeds

A:-1000 times the diameter of the pipe

B:-500 times the diameter of the pipe

C:-80 times the diameter of the pipe

D:-The diameter of the pipe

Correct Answer:- Option-A

Question44:-Runoff can be estimated by

A:-Infiltration method

B:-Unit hydrograph

C:-Rational method

D:-Any of the above

Correct Answer:- Option-D

Question45:-The yield of a well depends on

A:-permeability of the soil

B:-area of aquifer opening into the wells

C:-actual flow velocity

D:-all of the above

Correct Answer:- Option-C

Question46:-Which of the following categories best describes the Hirakud reservoir?

A:-Reservoir for irrigation and power

B:-Reservoir for flood control, irrigation and power

C:-Reservoir for irrigation and water supply

D:-Reservoir for recreation and fishery

Correct Answer:- Option-B

Question47:-Turbidity is measured on

A:-Standard cobalt scale

B:-Standard silica scale

C:-Standard platinum scale

D:-None of the above

Correct Answer:- Option-B

Question48:-Lagooning is

A:-Method of sludge disinfection

- B:-Method of sludge dilution
 - C:-Method of rapid sludge digestion
 - D:-Method of sludge disposal
- Correct Answer:- Option-D

Question49:-In the oxidation ditch, the excess sludge is taken to

- A:-Anaerobic digester
- B:-Aerobic digester
- C:-Drying bed
- D:-Incinerator

Correct Answer:- Option-C

Question50:-Which of the following industry is least polluting?

- A:-Cement industry
- B:-Electronic industry
- C:-Rolling mills
- D:-Thermal power plant

Correct Answer:- Option-B

Question51:-When the meridian of a place changes with time then this meridian will be

- A:-Arbitrary
- B:-Magnetic
- C:-True
- D:-Grid

Correct Answer:- Option-B

Question52:-The lines of force of earth's magnetic field are parallel to the earth's surface.

- A:-Near to poles
- B:-At right angles to poles
- C:-At 45 degree to the line joining poles
- D:-Near the equator

Correct Answer:- Option-D

Question53:-The bench mark established by the Survey of India Department with very high precision with reference to mean sea level is known as

- A:-GTS bench mark
- B:-Permanent bench mark
- C:-Arbitrary bench mark
- D:-Temporary bench mark

Correct Answer:- Option-B

Question54:-When a contractor is paid certain percentage over the actual cost of construction as his profit such contract is termed as

- A:-Lump sum contract
- B:-Work order
- C:-Schedule contract
- D:-Cost plus percentage contract

Correct Answer:- Option-D

Question55:-Estimate expected to be least accurate is

- A:-Supplementary estimate
- B:-Plinth area estimate
- C:-Detailed estimate
- D:-Revised estimate

Correct Answer:- Option-B

Question56:-The valuation of a building depends upon

- A:-Its structure and durability
- B:-Size, shape and type
- C:-Quality of materials used
- D:-All the above

Correct Answer:- Option-D

Question57:-When the times of earliest finish and the latest finish are equal in an operation, the operation is called

- A:-critical
- B:-float
- C:-free float
- D:-all the above

Correct Answer:- Option-A

Question58:-PERT is

- A:-Activity oriented
- B:-Event oriented
- C:-Slack oriented
- D:-Float oriented

Correct Answer:- Option-B

Question59:-What is the time by which the completion of a activity can be delayed without affecting the start of succeeded activities, called?

- A:-Total float
- B:-Interfering float
- C:-Independent float
- D:-Free float

Correct Answer:- Option-D

Question60:-Which one of the following shovel, excavators is considered most efficient in load carriers?

- A:-Dipper shovel
- B:-Dragline
- C:-Backhoe
- D:-Clamshell

Correct Answer:- Option-A

Question61:-In which year, the capital of Punjab was implemented as Chandigarh?

- A:-1970
- B:-1920
- C:-1947
- D:-1950

Correct Answer:- Option-D

Question62:-To avoid the toxic and undesirable smell and gases from industrial zone, on which part of the city, industries shall be provided?

- A:-Leeward side
- B:-Northern side
- C:-Windward side
- D:-Southern side

Correct Answer:- Option-A

Question63:-In which period, the Indus valley civilization took place?

- A:-1000 B.C
- B:-3000 B.C
- C:-5000 B.C
- D:-7000 B.C

Correct Answer:- Option-B

Question64:-Who said that 'India lives in its myriad villages and if the village perishes, India will perish too'?

- A:-Mahatma Gandhi
- B:-Jawaharlal Nehru
- C:-Le Corbusier
- D:-David Harvey

Correct Answer:- Option-A

Question65:-Which planned city is an Union Territory administered by the Union Government?

- A:-Gandhinagar
- B:-Navi Mumbai
- C:-Greater Noida
- D:-Chandigarh

Correct Answer:- Option-D

Question66:-In which year Low Income Group Housing Scheme was introduced?

- A:-1948
- B:-1960
- C:-1954
- D:-1964

Correct Answer:- Option-C

Question67:-Why urban housing policy is not possible without urban land control?

- A:-Fluctuating land value

B:-Scarcity of land

C:-Industrialization

D:-Economization

Correct Answer:- Option-A

Question68:-In which circumstances the CIDCO was formed

A:-Greater Noida project

B:-Navi Mumbai project

C:-Gandhinagar project

D:-None of these

Correct Answer:- Option-B

Question69:-In cul-de-sac type layout of houses, what shall be the desirable length of cul-de-sac

A:-200-250 m

B:-50-70 m

C:-80-100 m

D:-120-150 m

Correct Answer:- Option-C

Question70:-Which is the Sixth plan period for urban housing implemented by the planning commission?

A:-1950-54

B:-1960-65

C:-1990-94

D:-1980-85

Correct Answer:- Option-D

Question71:-Who gave the concept of Garden city?

A:-Patrick Geddes

B:-Patrick Abercrombie

C:-Ebenezer Howard

D:-Le Coubusier

Correct Answer:- Option-C

Question72:-What is the main purpose of providing green belt all around the town/city?

A:-Fresh air

B:-Picnic spots

C:-Cultivation

D:-Control growth of town

Correct Answer:- Option-D

Question73:-What is the limit of population advocated by Ebenezer Howard in his garden city?

A:-15000 to 20000

B:-30000 to 40000

C:-35000 to 55000

D:-45000 to 50000

Correct Answer:- Option-B

Question74:-Which is the necessary pre-requisite for studies of a city?

A:-Urban ecology

B:-Geography

C:-Political issues

D:-Religious characteristics

Correct Answer:- Option-A

Question75:-Which are the two distinctive features that are manifested in the homogeneity of occupation of space as specified in spatial theory of Aldo Rosi?

A:-Plan and section

B:-Mass and density

C:-Volume and shape

D:-Size and shape

Correct Answer:- Option-B

Question76:-Which is the first Residential International University that had a long illustrious life lasted for 800 years, founded in 5th century A.D?

A:-Taxila

B:-Udayagiri

C:-Nalanda

D:-Puspagiri

Correct Answer:- Option-C

Question77:-Which is the scheme implemented by the ministry of Rural Development exclusively through panchayats?

- A:-Sampoorna Grameen Swarozgar Yojana
- B:-Pradhan Mantri Gram Sadak Yojana
- C:-Jawahar Gram Samridhi Yojana
- D:-Indira Awas Yojana

Correct Answer:- Option-A

Question78:-According to the Garden city principle, on which part of a town the shopping centres are provided

- A:-Outskirts
- B:-Middle/Centre
- C:-Edge
- D:-Corner

Correct Answer:- Option-C

Question79:-In which year the Garden City Association was formed

- A:-1903
- B:-1870
- C:-1910
- D:-1899

Correct Answer:- Option-D

Question80:-In which period the trade and commerce shown a gradual development?

- A:-Medieval
- B:-Mughal
- C:-Pre-independence
- D:-Post-independence

Correct Answer:- Option-A

Question81:-What is the major concern while preparing a development plan?

- A:-Fixed plan
- B:-Flexible plan
- C:-Vague plan
- D:-None of these

Correct Answer:- Option-B

Question82:-In concentric form of the growth of town, which category of people desires to live nearest the town nucleus

- A:-Middle class
- B:-Higher class
- C:-Lower class
- D:-Extremely poor

Correct Answer:- Option-D

Question83:-Who described that "a place where men had a common life for a noble end"?

- A:-Plato
- B:-Aristotle
- C:-Le Corbusier
- D:-Patric Geddes

Correct Answer:- Option-A

Question84:-Which is the main and effective tool for a town planner in designing a town?

- A:-Localization
- B:-Acquisition
- C:-Zoning
- D:-Evacuation

Correct Answer:- Option-C

Question85:-Which form of planning avoids the wasteful duplication of facilities?

- A:-Local planning
- B:-Regional planning
- C:-National planning
- D:-Country planning

Correct Answer:- Option-B

Question86:-Which form of planning is greatly influenced by the economic conditions of the town?

- A:-Regional planning
- B:-National planning
- C:-Local planning

D:-None of these

Correct Answer:- Option-C

Question87:-Which of the stages during town development indicate the first signs of decline?

A:-Megapolis

B:-Polis

C:-Tyrannopolis

D:-Ecopolis

Correct Answer:- Option-A

Question88:-What is the extent of population with which a city can be classified as Metropolis?

A:-50 lakhs and above

B:-10 lakhs and above

C:-5 lakhs and above

D:-3 lakhs and above

Correct Answer:- Option-B

Question89:-In which year the Bombay Town and Country Planning Act was actually enforced?

A:-1954

B:-1915

C:-1957

D:-1920

Correct Answer:- Option-C

Question90:-Who is the first man to introduce sociological concepts in town planning?

A:-Ebenezer Howard

B:-Patrick Abercrombie

C:-Patrick Geddes

D:-Le Corbusier

Correct Answer:- Option-C

Question91:-Which of the following area is highlighted in Brundtland Commission's report?

A:-Environment protection

B:-Global warming

C:-Ozone depletion

D:-Sustainable development

Correct Answer:- Option-D

Question92:-How many rating levels are provided by the LEED rating system for Green Buildings?

A:-Four

B:-Three

C:-Two

D:-Five

Correct Answer:- Option-A

Question93:-Which of the following is the major cause for depletion of ozone layer?

A:-Chlorofluorocarbons

B:-Chloroform

C:-Sodium Chloride

D:-Bromide

Correct Answer:- Option-A

Question94:-Which is actually responsible for Global warming phenomena?

A:-Ozone layer

B:-Green house gases

C:-Ocean

D:-Polar ice caps

Correct Answer:- Option-B

Question95:-Which is the third dimension of sustainability apart from Ecological and Social dimension?

A:-Environmental

B:-Cultural

C:-Economic

D:-Logical

Correct Answer:- Option-C

Question96:-Sewage may be disposed of without treatment into a water body if the available dilution is

A:-Less than 200

B:-More than 200

C:-More than 250

D:-More than 500

Correct Answer:- Option-D

Question97:-The name of street system planned in conformity with topography and scenic effects of the area

A:-Irregular Medieval street system

B:-Organic street system

C:-Spiders web system

D:-Rectangular combined with diagonal street system

Correct Answer:- Option-B

Question98:-Which is the important tool for ensuring optimal use of natural resources for sustainable development?

A:-REA

B:-ESR

C:-EIA

D:-UNEP

Correct Answer:- Option-C

Question99:-According to u.S. Environmental Protection Agency, about how much ozone molecules could be destroyed by one chlorine atom

A:-100000

B:-20000

C:-10000

D:-1000

Correct Answer:- Option-A

Question100:-What is meant by Sewage Sickness?

A:-Diseases caused by sewage

B:-Foul smell causing vomiting

C:-Soil pores getting clogged with continuous application of sewage

D:-Consumption of raw vegetables from sewage laden land

Correct Answer:- Option-C