

PROVISIONAL ANSWER KEY

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Question1:-Who started mirror consecration in South India ?

- A:-Sree Narayana Guru
- B:-Vaikunda Swamikal
- C:-Vagbhatananda
- D:-Ayyankali

Correct Answer:- Option-B

Question2:-The real name of Vagbhatananda ?

- A:-Ayyappan
- B:-Kunhikkannan
- C:-Kunhiraman
- D:-Kunturaman

Correct Answer:- Option-B

Question3:-In which year Sree Narayana Guru consecrated Siva idol at Aruvippuram ?

- A:-1881
- B:-1896
- C:-1903
- D:-1888

Correct Answer:- Option-D

Question4:-"Athmanuthapam" is written by

- A:-Chattampi Swamikal
- B:-Ayyankali
- C:-Mar Kuriakose Elias Chavara
- D:-Vagbhatananda

Correct Answer:- Option-C

Question5:-Who organized Kallumala agitation ?

- A:-Chattampi Swamikal
- B:-Ayyankali
- C:-Sree Narayana Guru
- D:-Vaikunda Swamikal

Correct Answer:- Option-B

Question6:-At Delhi, the revolt of 1857 was led by

- A:-Nana Sahib
- B:-Thanthia Thoppi
- C:-Bahadur Sha
- D:-Kunwar Singh

Correct Answer:- Option-C

Question7:-The conference in which the Indian National Congress declared Purnaswaraj as the ultimate goal

- A:-Nagpur
- B:-Bombay
- C:-Allahabad
- D:-Lahore

Correct Answer:- Option-D

Question8:-The separate electorates for Muslims was introduced by

- A:-The Act of 1919
- B:-The Act of 1935
- C:-Rowlet Acts
- D:-Minto-Morley Reforms

Correct Answer:- Option-D

Question9:-In which year prince Wales visited to India ?

A:-1919

B:-1920

C:-1921

D:-1922

Correct Answer:- Option-C

Question10:-The famous pilgrim centre of Vaikam is situated on the banks of

A:-Kayamkulam lake

B:-Vembanadu lake

C:-Ashtamudi lake

D:-Sasthamcotta lake

Correct Answer:- Option-B

Question11:-The length of river Pamba is

A:-110 miles

B:-142 miles

C:-130 miles

D:-125 miles

Correct Answer:- Option-A

Question12:-The holy place Kasi is situated on the banks of river

A:-Ganges

B:-Brahmaputra

C:-Yamuna

D:-Narmada

Correct Answer:- Option-A

Question13:-The pass located at the southern end of the Nilgiri Hills in South India is called

A:-The Bollar pass

B:-The Palghat pass

C:-Kaibar pass

D:-The Aramboli pass

Correct Answer:- Option-B

Question14:-Which among the following is the least populated state in India ?

A:-Sikkim

B:-Goa

C:-Manipur

D:-Mizoram

Correct Answer:- Option-A

Question15:-Which programme given the slogan of Garibi Hatao ?

A:- 3rd Five Year Plan

B:- 5th Five Year Plan

C:- 6th Five Year Plan

D:- 7th Five Year Plan

Correct Answer:- Option-B

Question16:-Special Drawing Rights (SDRs) relate to

A:-World Bank

B:-Reserve Bank of India

C:-World Trade Organization

D:-International Monetary Fund

Correct Answer:- Option-D

Question17:-Hopman Cup is related to which game ?

A:-Foot Ball

B:-Lawn Tennis

C:-Badminton

D:-Cricket

Correct Answer:- Option-B

Question18:-Which is the national game of Canada ?

A:-Volley ball

B:-Cricket

C:-Field hockey

D:-Ice hockey

Correct Answer:- Option-D

Question19:-Neeraj Vora, who passed away recently, was associated with which field ?

- A:-Politics
- B:-Law
- C:-Film Industry
- D:-Journalism

Correct Answer:- Option-C

Question20:-Who was awarded as the best actor of 64th National Film Awards ?

- A:-Akshay Kumar
- B:-Sharukh Khan
- C:-Ajay Devgan
- D:-Amir Khan

Correct Answer:- Option-A

Question21:-Which of the following is a "King Closer" ?

A:-A portion of an ordinary brick with the cut made longitudinally and having one uncut stretcher face usually placed next to the first brick

- B:-One half of an ordinary brick cut transversely
- C:-The alternate course at the end of a wall projecting out
- D:-A portion of an ordinary brick formed by removing a corner and leaving a half header and half stretcher faces

Correct Answer:- Option-D

Question22:-Which of the following is hard wood ?

- A:-Mahagony
- B:-Redwood
- C:-Rubberwood
- D:-White pine

Correct Answer:- Option-A

Question23:-Which of the following refers to marble ?

- A:-Silicious sandstones
- B:-They are sedimentary sandstones
- C:-They are metamorphosed limestone's
- D:-Acques rocks

Correct Answer:- Option-C

Question24:-What is meant by total float in Project Management ?

- A:-The extra time available to complete an activity in the critical path without delaying the project
- B:-Latest start time of succeeding activity-earliest finish time of preceding activity-duration of activity
- C:-The time which can be saved in a project by crashing activities with extra cost
- D:-None of the above

Correct Answer:- Option-B

Question25:-As per the Disaster Management Act enacted in 2005 by Government of India which of the following organization was constituted ?

- A:-National Disaster Mitigation and Management Authority
- B:-National Disaster Response Cell
- C:-National Centre for Disaster Management and Preparedness
- D:-National Disaster Management Authority

Correct Answer:- Option-D

Question26:-Which of the following is a shallow foundation ?

- A:-RCC pile foundation
- B:-Isolated footing
- C:-Composite pile foundation
- D:-Cap foundation

Correct Answer:- Option-B

Question27:-What is the approximate compressive strength of concrete in the proportion 1 : 2 : 4 ?

- A:-10 N/mm²
- B:-20 N/mm²
- C:-15 N/mm²
- D:-5 N/mm²

Correct Answer:- Option-C

Question28:-Which of the following is not used as a project management software ?

- A:-Matlab
- B:-Primavera

C:-M. S. Project

D:-CCS

Correct Answer:- Option-A

Question29:-Which of the following are used for core wall construction of high rise buildings ?

A:-Slip form

B:-Sliding form

C:-Flying desk

D:-Lift form

Correct Answer:- Option-C

Question30:-Main reinforcement for a 10 cm RCC Cantilever slab is placed at

A:-No reinforcement required

B:-Bottom

C:-Center

D:-Top

Correct Answer:- Option-D

Question31:-Identify the system used as an anti siphonage measure.

A:-Single stack one pipe system

B:-One pipe system partially ventilated

C:-One pipe system

D:-None of the above

Correct Answer:- Option-B

Question32:-A wet riser cum down comer is

A:-A hose reel kept near the fire duct

B:-A fire rated staircase

C:-A pipe with water at specified pressure used for fire fighting

D:-A water tank used for fire fighting

Correct Answer:- Option-C

Question33:-What is water seal ?

A:-Level difference between two sides of a trap

B:-A water resistant seal used to prevent water seepage

C:-Seal used to prevent water leakage in WC

D:-Vertical distance between the upper dip and crown of a trap

Correct Answer:- Option-D

Question34:-What is the thickness of a one brick wall in Flemish bond ?

A:-9 cm

B:-23 cm

C:-35 cm

D:-15 cm

Correct Answer:- Option-B

Question35:-What is the approximate measure of electricity consumed in a house for one day ?

A:-200 units

B:-3 kWh

C:-240 v

D:-50 Hz

Correct Answer:- Option-B

Question36:-The illumination output of a CFL bulb is

A:-50-70 lumens per watt

B:-10-17 lumens per watt

C:-600 lumens per watt

D:-10000 lumens per watt

Correct Answer:- Option-A

Question37:-A ton of Air Conditioning is equivalent to

1) 12000 Btu/hr

2) Energy required to melt one ton of ice over 24 hours

3) Air conditioning required for a room of 10m^2 - to 15m^2

A:-Only 2) is correct

B:-Only 1) and 2) are correct

C:-Only 1) is correct

D:-All the statements are correct

Correct Answer:- Option-D

Question38:-A concrete beam in a bridge is constructed with holes (longitudinal), through which wires are threaded and later anchored at both ends. This method is called

- A:-Post tensioning
- B:-Pre tensioning
- C:-Light weight concrete
- D:-Expansion joint

Correct Answer:- Option-A

Question39:-A time lapse photography technique is used in

- A:-Traffic and transportation studies
- B:-Planning studies
- C:-Urban Design studies
- D:-All the above

Correct Answer:- Option-D

Question40:-What is the standard lane width of a carriage way ?

- A:-4.5 m
- B:-3.5 m
- C:-2.5 m
- D:-3.0 m

Correct Answer:- Option-B

Question41:-As per KMBR 1998 an intermediate floor in any storey overlooking a floor beneath is called

- A:-A mezzanine floor
- B:-A cantilever floor
- C:-Terrace floor
- D:-Deck

Correct Answer:- Option-A

Question42:-The special provision for small plots as per KMBR 1998 apply for

- A:-Residential and commercial plots below 125 m^2
- B:-Residential floors below 135 m^2
- C:-Commercial plots 120 m^2
- D:-Residential plots below 100 m^2

Correct Answer:- Option-A

Question43:-Which of the following is not a graphic input device ?

- A:-Curser control device
- B:-Digitizer
- C:-Plotter
- D:-Image input device

Correct Answer:- Option-C

Question44:-In digital architecture computer modeling, programming, simulation and imaging are used to create

- A:-3D printing
- B:-Virtual forms and physical forms
- C:-Physical forms and images
- D:-Digital algorithms

Correct Answer:- Option-B

Question45:-As per Architects Act, 1972 what is the duration of professional liability of an architect towards a building

- A:-Two years after submitting the drawings
- B:-Three years after submitting for approval
- C:-Three years after handing on/occupation
- D:-Two years after granting of building permit

Correct Answer:- Option-C

Question46:-Who among the following are not mandatory members of the council of Architecture, India

- A:-Five architects elected by IIA
- B:-Two persons nominated by AICTE
- C:-Two persons nominated by institution of Engineers from among its members
- D:-Cabinet secretary of Ministry of Urban Development

Correct Answer:- Option-D

Question47:-Which of the following is a benefit of the Bill of Quantities (BOQ) ?

- A:-Improve accuracy of bids
- B:-Increase number of bidders
- C:-Lower the estimate cost

D:-Reduce tax

Correct Answer:- Option-A

Question48:-Which of the following is not considered for calculating FAR ?

A:-Open parking area

B:-Area of mezzanine floor

C:-Area of covered balcony

D:-Area of Corridor

Correct Answer:- Option-A

Question49:-Which occupancy group among the following has the least FAR permitted as per KMBR ?

A:-Residential

B:-Educational

C:-Assembly

D:-Commercial

Correct Answer:- Option-C

Question50:-Smart Buildings/Structures are

A:-Systems containing multifunctional parts that can perform sensing, control and actuation

B:-Buildings made of smart materials

C:-Structures which are primitive analogue of biological body

D:-All of the above

Correct Answer:- Option-D

Question51:-The infinity tower to be constructed near Incheon Airport in South Korea is remarkable because

A:-It will be the tallest tower

B:-The tower will go invisible using high definition cameras and LED display

C:-Will be the largest business tower

D:-All of the above

Correct Answer:- Option-B

Question52:-Which of the following housing development was demolished due to unmanageable crime rates ?

A:-Diepslot, Johannesburg

B:-West End, London

C:-Pruitt Igoe, St. Louis

D:-Rocinha, Brazil

Correct Answer:- Option-C

Question53:-Find out the most appropriate statement about banks of elevators.

A:-A building is split into two or more groups of contiguous floor and each group of floors is served by a set of elevators to improve efficiency

B:-A set of elevators will function as a system to respond to the nearest floor

C:-Elevators in a bank will continue to move in one direction

D:-Elevators are dedicated to different user groups to avoid mixing of functions

Correct Answer:- Option-A

Question54:-Raster is

A:-Similar to creating line based images

B:-A pixel based image

C:-Scalable

D:-Without colour gradient

Correct Answer:- Option-B

Question55:-The underside of an arch is called

A:-Entablature

B:-Cornice

C:-Springing line

D:-Soffit

Correct Answer:- Option-D

Question56:-Which of the following can be used for scheduling a project ?

A:-Gantt Chart

B:-CPM

C:-PERT

D:-All of the above

Correct Answer:- Option-D

Question57:-Which of the following materials has the lowest embodied energy per kilogram ?

A:-Steel

B:-Glass

C:-Cement Concrete

D:-Brick

Correct Answer:- Option-C

Question58:-Which of the following fall under indirect cost ?

A:-Cost of building permit

B:-Cost of form work

C:-Contingency cost

D:-Cost of equipment

Correct Answer:- Option-A

Question59:-What is the approximate fire rating for a 20 cm brick wall ?

A:-5 minutes

B:-20 hours

C:-4 hrs.

D:-30 minutes

Correct Answer:- Option-C

Question60:-Ratio of effective height of a building member to its effective thickness is _____

A:-Aspect ratio

B:-Slenderness ratio

C:-Eccentricity

D:-Sabine's ratio

Correct Answer:- Option-B

Question61:-Which of the following ancient cities described by Megasthenes was in the form of a parallelogram, girded by a ditch and wooden wall with 570 towers and 64 gates ?

A:-Pataliputra

B:-Putrajaya

C:-Gaya

D:-Kausambi

Correct Answer:- Option-A

Question62:-Rudabai's Vav at Adalaj, Ahmadabad is

A:-A gateway

B:-A library

C:-A step well

D:-A palace

Correct Answer:- Option-C

Question63:-Which of the following structures in Fatehpur Sikri is made of white marble and embellished with Chajjas ?

A:-Diwan-i-am

B:-Tomb of Salim Chisti

C:-Jodha Bai's Palace

D:-Diwan-i-Khas

Correct Answer:- Option-B

Question64:-The paintings in the ceiling of Sistine Chapel in Vatican City, done by Michelangelo under the patronage of pope Julius II are considered to be belonging to

A:-Eclecticism

B:-Gothic

C:-Byzantine

D:-High renaissance

Correct Answer:- Option-D

Question65:-Which of the following is not a Greek order ?

A:-Composite

B:-Doric

C:-Ionic

D:-Corinthian

Correct Answer:- Option-A

Question66:-Which of the following temples in Kerala has a multistoried Sanctum Sanctorum ?

A:-Chengannur Mahadeva Temple

B:-Peruvanam Mahadeva Temple

C:-Vaikom Mahadeva Temple

D:-Thrissur Vadakkunnatha Temple

Correct Answer:- Option-B

Question67:-Which of the following attribute is not characteristic of the "international" style of architecture ?

- A:-Recognition of local architecture
- B:-Minimalism
- C:-Cubism
- D:-Use of glass and steel

Correct Answer:- Option-A

Question68:-Which of the following buildings is considered an example of deconstruction ?

- A:-Ronchamp Chapel, France
- B:-Hiroshima Peace Memorial Park
- C:-Baker House, Cambridge, USA
- D:-Guggenheim Museum Bilbao, Spain

Correct Answer:- Option-D

Question69:-The Mahabalipuram Rathas belong to

- A:-Chola period
- B:-Pandya Period
- C:-Pallava Period
- D:-Vijayanagara Period

Correct Answer:- Option-C

Question70:-The Iron bridge near Coalbrokedale uses this technique

- A:-Steel Suspended cables
- B:-Cast iron Arch
- C:-Cast Iron beams
- D:-Cast iron truss

Correct Answer:- Option-B

Question71:-Navi Mumbai is a new town development planned by CIDCO. Which of the following statements relate to this development ?

- A:-Rehabilitating the slum dwellers in high rise apartments
- B:-Building a new gated community with all facilities
- C:-A special economic zone for industrial development
- D:-Providing serviced sites for urban development and housing of different income groups

Correct Answer:- Option-D

Question72:-According to Kevin Lynch, which major elements contribute to building the imageability of a city

- A:-Nodes, Pathways, Edges, Landmarks and Districts
- B:-Pathways, Networks, Edges, Landmarks, Nodes
- C:-Edges, Linkages, Landmarks, Nodes, Districts
- D:-Morphology, Linkages, Figure-ground, Nodes, Networks

Correct Answer:- Option-A

Question73:-Which of the following towns has incorporated the neighborhood planning principles of Clarence Perry ?

- A:-Letchworth
- B:-Radburn
- C:-Wellwyn
- D:-Sienna

Correct Answer:- Option-B

Question74:-As per census 2011 what is the share of urban population in India ?

- A:-21%
- B:-25%
- C:-31%
- D:-35%

Correct Answer:- Option-C

Question75:-Read the following recommendations and chose the ones which relate to the National Urban Housing and Habitat Policy, 1998.

- 1) Governments to act as facilitator and enabler of Housing
- 2) Government to encourage adaptation of critical urban reforms
- 3) Government to promote research and development in Housing
- 4) Government to encourage FDI in Housing

- A:-All of them
- B:-1), 2), 3) only
- C:-1), 2), 4) only
- D:-1), 3), 4) only

Correct Answer:- Option-A

Question76:-Born in the year 1917, this famous architect studied at the Birmingham Institute of Art and Design and became the pioneer of Sustainable architecture. Who is the architect ?

- A:-Hassan Fathy
- B:-Laurie Baker
- C:-Geoffrey Bawa
- D:-Le Corbusier

Correct Answer:- Option-B

Question77:-Which of the following material is used for treatment of bamboo ?

- A:-Salt solution
- B:-Sodium Carbonate Solution
- C:-Borax Boric Acid Solution
- D:-All of the above

Correct Answer:- Option-C

Question78:-What is Secondary Mortgage Market ?

- A:-It is a market where mortgage loans and servicing rights are bought and sold
- B:-It is a place where people sell land which do not have clear title deeds
- C:-It is system by which a borrower pledges an already mortgaged property
- D:-None of the above

Correct Answer:- Option-A

Question79:-Which of the following cannot be considered a traffic calming measure ?

- A:-Bulbing out/kerb extensions at junctions
- B:-Narrowing of driveways
- C:-Embedding speed deterrents
- D:-Widening at junctions

Correct Answer:- Option-D

Question80:-Which of the following is not considered for GRIHA rating ?

- A:-Site selection
- B:-Site imperviousness factor
- C:-On site water reuse
- D:-Use of remote sensing

Correct Answer:- Option-D

Question81:-Which of the following reports is named as "Our Common Future" ?

- A:-Swaminathan Commission Report
- B:-Brundtland Commission Report
- C:-Kasturirangan Commission Report
- D:-Rio Declaration

Correct Answer:- Option-B

Question82:-Out of the following statements which are the principles of Site Planning ?

- A. Minimize slope disturbance
- B. Introduce exotic flora and fauna
- C. Remove all top soil containing biomass
- D. Use suitable retaining walls to prevent soil erosion
- E. Minimize soil disturbance and erosion
- F. Prepare site plan to limit water and energy demand

- A:-A, E, F only
- B:-All the above
- C:-F only
- D:-B, C, D, E only

Correct Answer:- Option-A

Question83:-Which of the following is the formula for calculating Reverberation Time ?

- A:- $A = 16 V/T$
- B:- $T = 0.16 V/A$
- C:- $T = 16.01 A/V$
- D:- $A = 16.4 V/T$

Correct Answer:- Option-B

Question84:-In an auditorium the back wall is given acoustic treatment to

- A:-Prevent absorption of sound
- B:-Increase creeping of sound
- C:-Reduce background noise

D:-Prevent reflection of sound

Correct Answer:- Option-D

Question85:-What is meant by biodiversity hotspot ?

A:-A waterfront area full of endemic species un deterred by anthropogenic uses

B:-An ecosystem which is poor in biodiversity and is capable of assimilating atmospheric carbon

C:-A tropical region without any human intervention but losing its flora due to climate change

D:-A geographical area rich in biodiversity but rapidly losing biological communities due to human impacts

Correct Answer:- Option-D

Question86:-What is the illumination level required for routine work in an office ?

A:-100 lux

B:-300 lux

C:-1000 lux

D:-3000 lux

Correct Answer:- Option-B

Question87:-World Habitat Day is observed on

A:-March 21

B:-April 22

C:-First Monday of October

D:-Second Saturday of August

Correct Answer:- Option-C

Question88:-Identify the statements relating to Acclimation.

1) It is a process by which humans and animals become adapted to unfamiliar set of climatic conditions.

2) It entails actual changes in the human body brought about by climatic influences.

3) It connotes a decrease in physiological stress a body continues to be exposed to new conditions.

4) Temperature is the element of greatest significance in acclimation.

A:-1), 2), 3) only

B:-2), 3), 4) only

C:-1), 4) only

D:-All of the above

Correct Answer:- Option-D

Question89:-Which of the following sites is climatically suitable for construction in Kerala ?

A:-A site sloping down to North East

B:-A site sloping down to South West

C:-A site sloping down to West

D:-A site sloping down to East

Correct Answer:- Option-A

Question90:-Which of the following are true about a psychometric chart ?

1) A graphical representation of the thermodynamic properties of moist air

2) It shows the relation between dry bulb and wet bulb temperature, humidity and vapour pressure

3) It shows the amount of water accumulated over a period of time due to precipitation

4) It shows the amount of solar radiation incident on a geographical area

A:-All the above

B:-Only 1), 2), 3)

C:-Only 1), 2)

D:-Only 3), 4)

Correct Answer:- Option-C

Question91:-Deliberate placement of elements to create opportunities by abrupt transition rather than gradual is called

A:-Contrast

B:-Emphasis

C:-Harmony

D:-Asymmetry

Correct Answer:- Option-A

Question92:-The proportions of man is illustrated in the "Ten Books of Architecture" written by

A:-Leonardo Da Vinci

B:-Palladio

C:-Vitruvius

D:-Leon Battista Alberti

Correct Answer:- Option-C

Question93:-When we recognize buildings by features which are similar to such type of buildings, it is called

A:-Perceived character

- B:-Functional character
 - C:-Associated character
 - D:-Rhythmic character
- Correct Answer:- Option-C

Question94:-Robie House, Falling water and Schroder house are dominated by

- A:-Linear elements
 - B:-Planar elements
 - C:-Single vertical plane
 - D:-Vertical linear elements
- Correct Answer:- Option-B

Question95:-Hierarchy can be achieved through a change in

- A:-Size
 - B:-Shape
 - C:-Placement
 - D:-All the above
- Correct Answer:- Option-D

Question96:-The degree of mixture of fine and coarse elements is called

- A:-Pattern
 - B:-Density
 - C:-Texture
 - D:-Entice
- Correct Answer:- Option-C

Question97:-When buildings and their components are related harmoniously to each other and to human beings we call it

- A:-Scale
 - B:-Proportion
 - C:-Unity
 - D:-Datum
- Correct Answer:- Option-A

Question98:-Upto 135 m (450 feet) which of the following is/are possible

- A:-Distinguish a human face
 - B:-Distinguish human action
 - C:-Distinguish details on the façade
 - D:-All of the above
- Correct Answer:- Option-B

Question99:-Which of the following architects adopted the phrase "Less is More" as a percent for minimalist design and architecture ?

- A:-Walter Gropius
 - B:-Luis Sullivan
 - C:-Ludwig Mies van der Rohe
 - D:-Adolf Loos
- Correct Answer:- Option-C

Question100:-Sense of Place is determined by

- A:-Personal experiences, Social Interactions and Identities
 - B:-Place attachment and place meaning
 - C:-Symbolic meaning people ascribe to places
 - D:-All the above
- Correct Answer:- Option-D