

## PROVISIONAL ANSWER KEY

Question 95/2023/OL

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Exam: Architectural Draftsman Grade II

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Question1:-What type of line is used to show the invisible or hidden parts of drawings?

A:-Centre line

B:-Extension line

C:-Dimension line

D:-Dashed line

Correct Answer:- Option-D

Question2:-Which one is one of the basic skill of sketching?

A:-Imagination of lines

B:-Perception of light and shadow

C:-Should know isometric view very well

D:-Perspective view knowledge is required

Correct Answer:- Option-B

Question3:-Which grade of pencil is softer for sketching?

A:-2H

B:-4B

C:-6H

D:-6B

Correct Answer:- Option-D

Question4:-Which color is said to be a neutral color?

A:-Black

B:-Red

C:-Blue

D:-Green

Correct Answer:- Option-A

Question5:-What is standard size for main titles recommended?

A:-1-2 mm

B:-6-12 mm

C:-3-4 cm

D:-10-15 cm

Correct Answer:- Option-B

Question6:-Which term has no dimension or magnitude but its importance and denotes its position in space?

A:-Line

B:-Point

C:-Circle

D:-Square

Correct Answer:- Option-B

Question7:-What is the study of shades and shadows cast by simple architectural forms on plain surfaces called?

A:-Elevation

B:-Calligraphy

C:-Photography

D:-Sciography

Correct Answer:- Option-D

Question8:-Where can free hand sketching used effectively?

A:-Working drawing

B:-Sanction drawing

C:-Site visits drawing

D:-Detail drawing

Correct Answer:- Option-C

Question9:-Dimension lines are represented by \_\_\_\_\_ lines.

A:-Continuous thin

B:-Center line

C:-Continuous thick

D:-Dash line

Correct Answer:- Option-A

Question10:-Among the following, which of the representation is wrong?

L

A:-

L  
B:-

C:-

D:-

Correct Answer:- Option-D

Question11:-Which refers to the relative size and scale of the various elements in a design?

A:-Movement

B:-Perspective

C:-Proportion

D:-Dash line

Correct Answer:- Option-C

Question12:-What is the formula for floor area ratio (FAR)?

A:-Ground floor area/first floor area

B:-Plint area/Plot area

C:-Plot area/built up area

D:-Total floor area of all floors/total site area

Correct Answer:- Option-D

Question13:-Which principle of design describes a movement of eye across a design?

A:-Emphasis

B:-Proportion

C:-Rhythm

D:-Balance

Correct Answer:- Option-C

Question14:-What is the advantage of texture in designing a building?

A:-It expresses the quality of material

B:-It does not gives a particular quality of light

C:-It does not highlight and create a feel

D:-It increases the cost

Correct Answer:- Option-A

Question15:-Which shape of the room is commonly used in residential planning?

A:-Square

B:-Circle

C:-Rectangle

D:-Diagonal

Correct Answer:- Option-C

Question16:-Formal balance is another term of \_\_\_\_\_ balance.

A:-Symmetrical

B:-Asymmetrical

C:-Radial

D:-Geometrical

Correct Answer:- Option-A

Question17:-The circular chart used to relate colour relationships is

A:-Colour Scheme

B:-Colour Wheel

C:-Colour Chart

D:-Colouer Ray

Correct Answer:- Option-B

Question18:-The design element that refers to the sense of touch is \_\_\_\_\_

A:-Value

B:-Pattern

C:-Texture

D:-Shape

Correct Answer:- Option-C

Question19:-What is the important requirement of planning a residential spaces?

A:-Prospect

B:-Privacy

C:-Furniture

D:-Texture

Correct Answer:- Option-B

Question20:-Which problem occurs due to the lack of ergonomics in furniture design?

A:-Body discomfort

B:-Body mass reduction

C:-Vision loss

D:-Hearing discomfort

Correct Answer:- Option-A

Question21:-What is the name of the useable floor area excluding staircase?

A:-Circulation area

B:-Carpet area

C:-Covered area

D:-Plinth area

Correct Answer:- Option-B

Question22:-Buildings classified under Group B occupancy are

A:-Residential Buildings

B:-Educational Buildings

C:-Industrial Buildings

D:-Assembly Buildings

Correct Answer:- Option-B

Question23:-Which principle of design is also called as law of relationship?

A:-Rhythm

B:-Proportion

C:-Harmony

D:-Balance

Correct Answer:- Option-B

Question24:-Which science of measurement deals with furniture in interiors?

A:-Ergonomics

B:-Anthropometrics

C:-Biology

D:-Psychology

Correct Answer:- Option-A

Question25:-What is an architectural plan that divides the internal space of a structure into separate, discrete rooms called?

A:-Closed Plan

B:-Open Plan

C:-Site Plan

D:-Courtyard Plan

Correct Answer:- Option-A

Question26:-How does solar orientation affect building design?

A:-It affects the placement of windows and openings

B:-It determine the interior layout of the building

C:-It has no impact on building design

D:-It determines the overall shape of the building

Correct Answer:- Option-A

Question27:-Which of the following factors can cause deviations of the urban climate from the regional macro climate?

A:-Atmospheric pollution

B:-Energy seepage

C:-Building

D:-All of the above

Correct Answer:- Option-D

Question28:-Which city is experiences composite climate?

A:-Delhi

B:-Agra

C:-Kochi

D:-Bangalore

Correct Answer:- Option-A

Question29:-Which of the factors can influences the microclimate around a building?

A:-Surrounding vegetation

B:-Building materials used in construction

C:-Proximity to water bodies

D:-All of the above

Correct Answer:- Option-D

Question30:-What is the primary function of cross-ventilation in Architecture design?

A:-Maximizing natural light penetration

B:-Enhancing visual connectivity with space

C:-Promoting air circulation and cooling

D:-Reducing noise transmission

Correct Answer:- Option-C

Question31:-Which of the following are controls used for openings in a ventilation system?

A:-Sashes and canopis

B:-Sunshade

C:-Arch and Lintel

D:-None of these

Correct Answer:- Option-A

Question32:-Which of the following is not a control mechanism for openings in ventilation system?

A:-Louvers

B:-Sashes

C:-Fly screen

D:-Rug

Correct Answer:- Option-D

Question33:-Which of the following is a widely recognized green building rating system?

A:-BREEAM

B:-LEED

C:-Green star

D:-Living building change

Correct Answer:- Option-B

Question34:-Which organization is responsible for the development and administration of green building rating?

A:-Bureau of energy efficiency

B:-Indian green building council

C:-Energy and resource institute

D:-Ministry of environment and forest council

Correct Answer:- Option-B

Question35:-Which level of certification is the highest achievable in LEED Indian rating system?

A:-Platinum

B:-Silver

C:-Gold

D:-Diamond

Correct Answer:- Option-A

Question36:-What is the primary goal of a zero energy building?

A:-Minimising water usage

B:-Maximizing natural light penetration

C:-Achieving a neutral energy balance

D:-Optimizing indoor air quality

Correct Answer:- Option-C

Question37:-Which component of a central heating system is responsible for emitting heat?

A:-Boiler

B:-Furnace

C:-Piping

D:-Convactor

Correct Answer:- Option-D

Question38:-In which system is air supplied into the space and used air forced out through grills?

A:-Exhaust system

B:-Plenum system

C:-Balanced system

D:-Central system

Correct Answer:- Option-B

Question39:-What is the primary focus of climatology?

A:-Behaviors of Lithosphere

B:-Behaviors of biosphere

C:-Behaviors of atmosphere

D:-Behaviors of hydrosphere

Correct Answer:- Option-C

Question40:-Which green building rating system in India focuses specifically on the residential sector?

A:-GRIHA

B:-EDGE

C:-GREEN MARK

D:-HARITHA

Correct Answer:- Option-A

Question41:-Which dimension command is used for checking dimension of vertical and horizontal lines?

A:-Aligned dimension

B:-Angular dimension

C:-Base line dimension

D:-Linear dimension

Correct Answer:- Option-D

Question42:-Which command in AutoCAD enlarge or reduce the apparent size of objects?

A:-Hatch

B:-Zoom

C:-Scale



D:-Offset

Correct Answer:- Option-B

Question43:-What does a kilobyte in a computer memory consist of?

A:-1024 Bytes

B:-1024 Kilobytes

C:-1024 Gigabyte

D:-1024 Megabyte

Correct Answer:- Option-A

Question44:-Which command is used to set increments for cursor movement?

A:-Grid

B:-Snap

C:-Ortho

D:-Polar

Correct Answer:- Option-B

Question45:-Which toolbar consist of control settings that allows to monitor changes in the drawing?

A:-Status bar

B:-Standard tool bar

C:-Command tool bar

D:-Ribbon tool bar

Correct Answer:- Option-A

Question46:-Which architectural column style is featured in the pantheon temple?

A:-Ionic

B:-Doric

C:-Corinthian

D:-Composite

Correct Answer:- Option-C

Question47:-What are the four gateways around Great Stupa at Sanchi?

A:-Harmika

B:-Torana

C:-Anda

D:-Railings

Correct Answer:- Option-B

Question48:-Where is Lingaraja temple located?

A:-Tanjavur

B:-Madurai

C:-Kanchipuram

D:-Bhuvaneshwar

Correct Answer:- Option-D

Question49:-What is the purpose of the roman structure forum?

A:-Market place and Civic centre

B:-Amphitheater

C:-Temple Complex

D:-Stadium

Correct Answer:- Option-A

Question50:-Which one is an example of Northern Hindu Style architecture?

A:-Jaganatha temple at Puri

B:-Sun temple at Konark

C:-Rockcut cave at Badami

D:-Meenakshi temple Madurai

Correct Answer:- Option-B

Question51:-Which of the following represents an Instance of Greek architectural style?

A:-Eiffel tower

B:-Parthinon

C:-Taj Mahal

D:-Great wall of China

Correct Answer:- Option-B

Question52:-What was the height of great pyramid of Cheops at Giza?

A:-146 m

B:-164 m

C:-154 m

D:-135 m

Correct Answer:- Option-A

Question53:-What were the significant elements that characterized the system of roman construction?

A:-Pyramid and Dome

B:-Flat, roof and column

C:-Minar and Gopurams

D:-Arch, Vault and Dome

Correct Answer:- Option-D

Question54:-Which one is an example of Greek Architecture?

A:-Mastaba at Giza

B:-Parthenon at Athens

C:-Colosseum at Rome

D:-Parthenon at Rome

Correct Answer:- Option-B

Question55:-The great Sphinx of Giza is believed to depict which creature?

A:-Lion

B:-Bull

C:-Falcon

D:-Tiger

Correct Answer:- Option-A

Question56:-Nominal size of modular brick is

A:-19×9×9 cm

B:-20×20×10 cm

C:-19×19×9 cm

D:-20×10×10 cm

Correct Answer:- Option-D

Question57:-In brick masonry, the thickness of mortar joints should not exceed

A:-50 mm

B:-20 mm

C:-12 mm

D:-5 mm

Correct Answer:- Option-C

Question58:-The bond in which the bricks are laid in courses inclined at  $45^\circ$  in two directions from the centre

A:-Diagonal bond

B:-Herring bone bond

C:-Zig-zag bond

D:-Dutch bond

Correct Answer:- Option-B

Question59:-The stone course provided below the cornice

A:-Frieze

B:-Corbel

C:-Reveal

D:-Coping

Correct Answer:- Option-A

Question60:-The tool which is used for cutting soft bricks and dressing cut faces

A:-Trowel

B:-Saw

C:-Scutch

D:-Hammer

Correct Answer:- Option-C

Question61:-The external curve of the arch

A:-Intrados

B:-Extrados

C:-Skew back

D:-Voussoir

Correct Answer:- Option-B

Question62:-An example of three centred arch

A:-Stilted

B:-Florentine

C:-Venetian

D:-Lancet

Correct Answer:- Option-B

Question63:-The wedge shaped bricks or stones used for the construction of arch

A:-Skew back

B:-Crown

C:-Voussoirs

D:-Abutment

Correct Answer:- Option-C

Question64:-Flat roofs are horizontal with slope less than

A:-1 degree

B:-3 degrees

C:-5 degrees

D:-10 degrees

Correct Answer:- Option-D

Question65:-The cross sectional size of tie beam of a King post truss of span 8 metre is

A:-28×15 cm

B:-18×8 cm

C:-23×10 cm

D:-28×10 cm

Correct Answer:- Option-A

Question66:-A roof with maximum span 3.6 metre is

A:-Collar beam roof

B:-Couple close roof

C:-Purlin roof

D:-Couple roof

Correct Answer:- Option-D

Question67:-Piles are driven at an inclination to resist large horizontal or inclined forces

A:-Tension piles

B:-Anchor piles

C:-Batter piles

D:-Fender piles

Correct Answer:- Option-C

Question68:-The safe load for an under reamed pile varies

A:-From 5 to 10 tonne

B:-From 10 to 15 tonne

C:-From 50 to 60 tonne

D:-From 20 to 40 tonne

Correct Answer:- Option-D

Question69:-The depth of concrete block below the masonry footing is calculated by the formula

A:- $d = \frac{3}{5}$  thickness of wall

B:- $d = \frac{5}{6}$  thickness of wall

C:- $d = \frac{6}{7}$  thickness of wall

D:- $d = \frac{3}{4}$  thickness of wall

Correct Answer:- Option-B

Question70:-In which method of damp proofing DPC is used

A:-Membrane

B:-Integral

C:-Guniting

D:-Pressure grouting

Correct Answer:- Option-A

Question71:-For anti-termite treatment, the stages in pre construction treatment method are

A:-Site preparation

B:-Soil treatment

C:-Structural barriers

D:-All of the above

Correct Answer:- Option-D

Question72:-In a stair the moulding provided below nosing of a step

A:-Tread

B:-Baluster

C:-Scotia

D:-Stringer

Correct Answer:- Option-C

Question73:-The steps which are cut in such a way so as to obtain a plain soffit in a stair

A:-Cantilever steps

B:-Built up steps

C:-Tread and riser steps

D:-Spandril steps

Correct Answer:- Option-D

Question74:-Inclined member in wooden stair acting as wooden beam to support steps

A:-Stringer

B:-Balustrade

C:-Landing

D:-Nosing

Correct Answer:- Option-A

Question75:-Type of roof which is to be provided on circular brick work

A:-North light shell roof

B:-Bow string trussed roof

C:-Barrel vault shell roof

D:-Truncated trussed roof

Correct Answer:- Option-C

Question76:-The flooring which is made with tile pieces different sizes and shapes arranged in different pattern

A:-Granolithic floor

B:-Terrazzo floor

C:-Cement concrete floor

D:-Mosaic floor

Correct Answer:- Option-D

Question77:-Single joist timber floors are provided for a maximum span of

A:-3.6 metre

B:-4.8 metre

C:-6 metre

D:-10 metre

Correct Answer:- Option-A

Question78:-In double joist timber floor, bridging joists are supported by

A:-Pillars

B:-Girders

C:-Binders

D:-Needles

Correct Answer:- Option-C

Question79:-The horizontal structural member provided over a wall opening for doors and windows

A:-Lintel

B:-Jamb

C:-Reveal

D:-Sill

Correct Answer:- Option-A

Question80:-A foundation provided entire area beneath the structure

A:-Pile Foundation

B:-Well Foundation

C:-Raft Foundation

D:-Pier Foundation

Correct Answer:- Option-C

Question81:-Which one of the following grade pencil is used for drawing construction lines, dimension lines, centre lines, section lines etc.?

A:-HB

B:-H

C:-2H

D:-All of these

Correct Answer:- Option-C

Question82:-How the unidirectional system dimensions are placed in engineering drawing to read

A:-From the top of the drawing

B:-From left side to right

C:-From right side to left

D:-From the bottom of drawing

Correct Answer:- Option-D

Question83:-Which one is used for measuring more than two units?

A:-Plain scale

B:-Vernier scale

C:-Diagonal scale

D:-Both (2) and (3)

Correct Answer:- Option-D

Question84:-Which of polygon has 11 sides?

A:-nonagon

B:-Undecagon

C:-decagon

D:-duodecagon

Correct Answer:- Option-B

Question85:-Where the plan is placed in third angle projection?

A:-Below elevation

B:-Above elevation

C:-Left elevation

D:-Right of elevation

Correct Answer:- Option-B

Question86:-Widening joints are also known as:

A:-Side joints

B:-Scarified joint

C:-Both (1) and (2)

D:-Spliced joint

Correct Answer:- Option-A

Question87:-Name the joint which is used in stairs in which the ends of risers and treads are housed in the strings.

A:-Mortise and tenon joint

B:-Housed joint

C:-Dove-tailed joint

D:-Bridle joint

Correct Answer:- Option-B

Question88:-One end of moulding is cut to suite the profile of another moulding it is known as

A:-Nosing

B:-Moulding



C:-Mitring

D:-Scribing

Correct Answer:- Option-D

Question89:-The Sill of a window should be located about?

A:-70 cm - 80 cm above floor level of the room

B:-90 cm - 120 cm above floor level of the room

C:-100 cm - 150 cm above floor level of the room

D:-150 cm - 200 cm above floor level of the room

Correct Answer:- Option-A

Question90:-A strip of wood, usually moulded or splayed which is fixed around the sides and head of opening is?

A:-Frame

B:-Architrave

C:-Style

D:-Louvers

Correct Answer:- Option-B

Question91:-Which of the following is commonly used widths-height relation of doors in India?

A:-Height = (width + 2.10) metre

B:-Height = (width + 1.50) metre

C:-Height = (width + 1.20) metre

D:-Height = (width + 0.70) metre

Correct Answer:- Option-C

Question92:-The another name of Louvred door is

A:-Wire gauged doors

B:-Flush doors

C:-Collapsible Steel door

D:-Venetian door

Correct Answer:- Option-D

Question93:-Which door is suitable for air conditioned rooms?

A:-Glazed door

B:-Flush door

C:-Revolving door

D:-Collapsible door

Correct Answer:- Option-C

Question94:-Window where shutters open like door are called:

A:-Casement window

B:-Bay window

C:-Clere-storey window

D:-Double-hung window

Correct Answer:- Option-A

Question95:-Windows which are fixed on flat roofs to provide light to the inner portion of the building is

A:-Sky light

B:-Lantern Window

C:-Dormer Window

D:-All of these

Correct Answer:- Option-B

Question96:-Joints in concrete structures, are provided

A:-To reduce the tensile stresses likely to be developed due to evaporation of water

B:-To minimise the change in the dimensions of the slab

C:-To minimise the necessary cracking

D:-All the above

Correct Answer:- Option-D

Question97:-\_\_\_\_\_ are also called control joints.

A:-Contraction joint

B:-Expansion joint

C:-Construction joint

D:-Isolation joint

Correct Answer:- Option-A

Question98:-The joints in the concrete structure are designed to separate the large concrete mass work into a divisional pattern is

A:-Contraction joint

B:-Expansion joint

C:-Construction joint

D:-Isolation joint

Correct Answer:- Option-C

Question99:-Which joint are provided if the length of any structure is greater than 45 m?

A:-Construction joint

B:-Expansion joint

C:-Contraction joint

D:-Isolation joint

Correct Answer:- Option-B

Question100:-The joints are formed at an unsymmetrical intersection of the components of the structure to reduce the compressive strength

A:-Construction joint

B:-Expansion joint

C:-Contraction joint

D:-Isolation joint

Correct Answer:- Option-D