

Nepal Engineering Council Registration Examination
Model Question for Architecture (AArc)

Section A (60*1 = 60)

1. Kailash Kut Bhawan was built by
 - a) Mahadev
 - b) Jayastithi Malla
 - c) Anshuverma
 - d) King Jay Dev

2. The Krishna temple Patan is built on
 - a) Pagoda style
 - b) Sikhara style
 - c) Nagara style
 - d) Gothic style

3. Nepalese vernacular architecture is not varied due to
 - a) Topography
 - b) Function of building
 - c) Natural environment
 - d) Ethnicity

4. is not enlisted in World heritage site list.
 - a) Pasupathinath
 - b) Swayambhunath
 - c) Lumbini
 - d) Godawari

5. Permissible built-up area shall be equal to or not greater than
 - a) Area of land x F.A.R
 - b) Ground coverage x F.A.R
 - c) Area of all floors x F.A.R
 - d) Area of land

6. The first apartment act was approved in
 - a) 2049
 - b) 2051
 - c) 2052
 - d) 2054

7. The thickness of mortar joint in brick masonry shall be , both vertically and horizontally.
 - a) 4mm
 - b) 5mm
 - c) 2mm
 - d) 10mm

8. The compressive strength of concrete mix M25 (1:1:2) will be
 - a) 25 MPa
 - b) 10 MPa
 - c) 35 MPa
 - d) 15 MPa

9. Anti-bacterial paint is made with
 - a) Lotus microfiber
 - b) Normal fiber
 - c) L.O.W V.O.C chemical
 - d) Lead and mercury

10. Raft foundation is also called
 - a) Combined footing
 - b) Isolated footing
 - c) Mat footing
 - d) Strip footing

11. Construction or expansion joints should be made after
 - a) 10 m
 - b) 18 m
 - c) 22 m
 - d) 35 m

12. Minimum depth of the lift pit is
 - a) 2 ft
 - b) 1 ft
 - c) 3 ft
 - d) 6 ft

13. Gothic Architecture style in Europe last from
 - a) 12th century to 16th century
 - b) 8th century to 12th century
 - c) 10th century to 11th century
 - d) 11th century to 14th century

14. Garbhagriha is an element of
 - a) Buddhists Architecture
 - b) Mughal Architecture
 - c) Eastern Architecture
 - d) Hindu Architecture

15. Constructivism architecture was flourished in 1920 and early 1930 in
 - a) U.S.A
 - b) U.K
 - c) Soviet Union
 - d) China

16. The parliament building of Bangladesh was designed by
 - a) Kenjo Tange
 - b) Tadao Ando
 - c) Louis Kan
 - d) Walter Gropius

17. Architecture as celebration: "Every project was an opportunity to bring joy into daily life". This was the slogan of
 - a) B.V. Doshi
 - b) Hafiz Contractor
 - c) Zaha Hadid
 - d) Charles Correa

18. National city hall was designed by
 - a) Shankar Nath Rimal
 - b) Benjamin Polk
 - c) Robert Waise
 - d) Gangadhar Bhatta Halabe

19. The cube includes
 - a) Single axis
 - b) Two axes
 - c) Three axes
 - d) Four axes

20. The vanishing point is used in
 - a) Orthographic projection
 - b) Axonometric projection

- c) Cubical projection
 - d) Perspective projection
21. Floor plans gives the information of
- a) Vertical plane
 - b) Horizontal plane
 - c) Three dimensional objects
 - d) Vertical sectional plane
22. The main element in design process in architecture is.....
- a) Site and surrounding
 - b) Aesthetic value
 - c) Volume composition
 - d) Requirements, Function and constraint
23. Auto LISP is programming language of
- a) Sketchup
 - b) AutoCAD
 - c) 3D max
 - d) Form-Z
24. The basic design for small projects has least variation with
- a) Function and volume
 - b) Requirement, Bylaws
 - c) Construction technology
 - d) Geography of the sets
25. plays an important role while developing site plan and floor plan
- a) Location
 - b) Line weight
 - c) Orientation
 - d) Scale and Detailing
26. Case studies of same types of projects help to find out and understand
- a) Volume composition
 - b) Function, size, flow
 - c) Plane composition
 - d) 3D view
27. is not rendering tools for photo image
- a) Corel draw

- b) Scan line render
 - c) V-ray
 - d) Mental ray
28. Permissible built-up area, set back line, detail building cover area, Height of the building with detail section, opening schedule should be shown in
- a) Detail working drawing
 - b) Municipal drawing
 - c) Contract drawing
 - d) Concept drawing
29. Every detail of projection and completion element – wall section of critical faces, flooring details, and all other details – should be provided in
- a) Working drawing
 - b) Municipal drawing
 - c) Contract drawing
 - d) Concept drawing
30. Complex design projects should follow
- a) Aesthetic values
 - b) Non measurable parameter
 - c) Analytical findings
 - d) Building By laws and building code
31. A beam that rests on two support and free to move horizontally is
- a) Simply support beam
 - b) Cantilever beam
 - c) Overhanging beam
 - d) Inverted beam
32. In truss, bottom chord is usually in
- a) Compression
 - b) Torsion
 - c) Shear
 - d) Tension
33. For government project estimate,has to be referred.
- a) Contract document
 - b) Agreement document
 - c) Additional document
 - d) District approved rate index
34. Prefab double leaf cement broad wall with void in between is called

- a) Wet construction
 - b) Dry construction
 - c) Smart construction
 - d) New construction
35. Perforated fiber base and mineral base wall cladding board helps
- a) Thermal insulation
 - b) Acoustic insulation
 - c) To absorb moist
 - d) To absorb heat
36. One of the elements for passive energy saving is
- a) Using modern element
 - b) Using modern technology
 - c) Using old technology
 - d) Rain water harvesting
37. The town planning does not vary with
- a) Cityscape
 - b) Street
 - c) Plot
 - d) Building
38. The first urban planned city of Nepal is
- a) Tikapur
 - b) Bhadrapur
 - c) Bhaktapur
 - d) Rajbiraj
39. Demographic survey reflects
- a) Demands and growth
 - b) Requirement
 - c) Types
 - d) Development
40. G.L.D helps to access
- a) Comfort
 - b) Security
 - c) Conservation
 - d) Road and services

41. Fundamental principle of urban design helps to get
- a) Good look
 - b) Healthy, easy, safe environment responsive and functioning city
 - c) Industrial city
 - d) Hitech city
42. Town Development Act was approved in
- a) 2048
 - b) 2049
 - c) 2042
 - d) 2045
43. Geometry and shape of the site is
- a) Good for design
 - b) One of the major constraints in design
 - c) Not functionable
 - d) Waste of shape
44. If liquefaction is found in soil test, the treatment for that is
- a) Gravel pile
 - b) Retaining wall
 - c) Pile
 - d) Core-design
45. The site data does not include
- a) Detail survey with contour and level
 - b) Existing structure, existing water supply, drainage, electricity supply
 - c) Detail soil investigation
 - d) Requirement of client
46. Landscape design also includes
- a) Exterior face of building
 - b) Boundary wall, gate, external light post
 - c) Parapet wall
 - d) Interior
47. Contemporary typological open space is not
- a) Playing area
 - b) Resting places
 - c) Road, open spaces in front of public building
 - d) Internal courtyard of building
48. To upgrade urban environment and urban ecology in existing condition ...may help to improve

- a) Recharging pit and small plantation in every house
 - b) Equipped element
 - c) Concrete ground
 - d) Artificial plantation
49. Better architecture helps to build
- a) Good environment and society
 - b) Functioning space
 - c) Good exterior
 - d) Aesthetic value
50. Meaning of 3C
- a) Client, consumer, consultant
 - b) Consumer, contractor, consultant
 - c) Contractor, consumer, client
 - d) Client, contractor, consultant
51. Social philosophy of Architecture is
- a) Vaastu shastra
 - b) Climatic design
 - c) Passive energy design
 - d) Modern design
52. Changing in family structure leads to
- a) Mechanical design
 - b) Expressive design
 - c) Theoretical strong design
 - d) Fragmentation of land and properties.....
53. The Procurement Act is regulated and formulated by .
- a) DUDBC
 - b) PPMO
 - c) NPC
 - d) Ministry of finance
54. The valuator is assigned according to guideline of NRB by
- a) Nepal Rastriya bank (NRB)
 - b) Individual bank
 - c) NPC
 - d) Ministry of finance
55. Standard dimensions (mm x mm) of A3 drawing sheet is
- a) 11.69×16.54

- b) 29.7×42
 - c) 297×420
 - d) 420×280
56. Which of the following methods of charging depreciation of an asset has increased amount of depreciation as the age of asset increases
- a) sum-of-year digit
 - b) sinking fund
 - c) diminishing balance
 - d) straight line
57. The process of optimizing the project's limited resources without extending the project duration is known as
- a) project crashing
 - b) resource levelling
 - c) resource smoothing
 - d) networking
58. The process of composing/raising the required fund from different sources such as equity, preferred stock, bond and debenture is known as
- a) capital structure planning
 - b) project financing
 - c) capital budgeting decision
 - d) deducing earning per share
59. In which of the following society, people used to seek their existence on growing plants for their cattle and domestic animals
- a) pastoral society
 - b) tribal society
 - c) horticultural society
 - d) agricultural society
60. According to Nepal Engineering Council Act, 2055 (Revised, 2079), all engineering academic institutions shall be in the Council.
- a) affiliated
 - b) united
 - c) recognized
 - d) associated

Section-B (20*2 = 40)

61. The Narayanhiti Royal Palace was designed by

- a) Louis Kahn
 - b) Karl Pusch
 - c) Shankar Nath Rimal
 - d) Benjamin Polk
62. The ridge of the slope roof in traditional Nepalese Architecture is called
- a) Kopu Apa
 - b) Polah Apa
 - c) Mutha Apa
 - d) Twaka
63. Square Rubble is type of
- a) Brick Masonry
 - b) Stone Masonry
 - c) Infill wall system
 - d) AAC Block system
64. Slab which is supported by parallel walls or beams and whose length to breadth ratio is equal to or greater than two and it bends in only one direction while it is transferring the loads to the two supporting walls or beams is
- a) One-way slab
 - b) Two-way slab
 - c) Four-way slab
 - d) Six-way slab
65. The order of Greek architecture seen towards the beginning of 7th century BC
- a) Ionic
 - b) Corinthian
 - c) Cubism
 - d) Doric
66. The founder of Bau haus was
- a) Louis Kahn
 - b) Frank Gerry
 - c) Walter Gropius
 - d) Le- Corbusie
67. It can refer to any dark area in which sunlight or other bright light is blocked. This is
- a) Shade
 - b) Shadow
 - c) Object
 - d) Projected image
68. The horizontal section of the building is called
- a) Layout plan
 - b) Site plan
 - c) Floor plan
 - d) Master plan
69. Detail Master plan does not include
- a) Site detail with landscape
 - b) S.T.P Location
 - c) Drainage detail
 - d) Volume of the building

70. The degree of aesthetic of the enclosed interior is
- a) Tangible element
 - b) Intangible element
 - c) Sharp element
 - d) Constant element
71. In load bearing structure, the load transfers down to
- a) Column
 - b) Wall
 - c) Shear wall
 - d) Infill wall
72. The area of the site after survey can be calculated by
- a) Reciprocal method
 - b) Point method
 - c) Triangulation method
 - d) Area of the circle
73. The given model is not urban planning model
- a) Rational comprehensive approach model
 - b) Transformant incremental approach model
 - c) The incremental approach models
 - d) Master layout approach model
74. National Urban Policy was first formulated in
- a) 2061
 - b) 2064
 - c) 2060
 - d) 2058
75. Gravel pile is treatment for
- a) Liquefaction
 - b) Low bearing capacity
 - c) Sandy soil
 - d) Muddy soil
76. Historical elliptical Amphitheatre in center of city Rome, Italy just east of roman forum was
- a) Roman plaza
 - b) Colosseum
 - c) Notre drome
 - d) Pantheon
77. Bayabya angle in Vaastu Shastra indicates
- a) North east direction
 - b) North west direction
 - c) South east direction
 - d) South west direction
78. National Architectural Building code no. is
- a) 201
 - b) 203
 - c) 205
 - d) 206

79. Effective monthly interest rate will be, if nominal interest rate of 10% accounted for continuous compounding

- a) 1%
- b) 0.84%
- c) 1.2%
- d) 2%

80. By considering following activities of a project, the project duration will be

Activity	A	B	C	D	E
Immediate predecessors	-	-	-	C	A, B, D
Duration (days)	4	5	3	7	5

- a) 9 days
- b) 10 days
- c) 15 days
- d) 24 days