

Answer Key - PhD Eligibility Test (Architecture & Planning)

Q. No	Ans	Q. No	Ans	Q. No	Ans	Q. No	Ans
1	3	31	3				
2	3	32	4				
3	1	33	4				
4	2	34	3				
5	3	35	1				
6	4	36	3				
7	2	37	2				
8	1	38	3				
9	3	39	1				
10	1	40	1				
11	4						
12	1						
13	3						
14	2						
15	1						
16	2						
17	4						
18	2						
19	1						
20	4						
21	3						
22	1						
23	3						
24	2						
25	1						
26	1						
27	1						
28	2						
29	2						
30	2						

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BATINDA

Ph.D. Entrance Examination of Architecture & Planning

1. The correct chronological order of the given architectural movements is
 - a. Romanesque, Roman, Baroque, Gothic, Renaissance
 - b. Romanesque, Roman, Renaissance, Gothic, Baroque
 - c. Roman, Romanesque, Gothic, Renaissance, Baroque
 - d. Roman, Romanesque, Gothic, Baroque, Renaissance
2. Which of the following is NOT a land use zone?
 - a. Industrial Zone
 - b. Agriculture Zone
 - c. Heritage Zone
 - d. Commercial Zone
3. Tassel House, Brussels is designed by
 - a. Victor Horta
 - b. Mies Van der Rohe
 - c. Frank Lloyd Wright
 - d. Gerrit Rietvelt
4. Invert level of a pipe at a given cross section refers to the
 - a. Highest point of the internal surface
 - b. Lowest point of the internal surface
 - c. Highest point of the external surface
 - d. Lowest point of the external surface
5. The Color codes of Public/Semi-public Land use as per practice in India is
 - a. Green
 - b. Blue
 - c. Red
 - d. Yellow
6. National Science Centre at Pragati Maidan, New Delhi is designed by
 1. J.A. Stein
 2. Anant Raje
 3. Raj Rewal
 4. A. P. Kanvinde
7. Agora was provided in Greek towns as a place of
 - a. Worship
 - b. Meeting
 - c. Drama
 - d. Sports
8. Addition of white to the base colour produces
 - a. Tint
 - b. Hue
 - c. Chroma
 - d. Shade
9. The concept of Serial vision was proposed by
 - a. Le Corbusier
 - b. Louis Kahn
 - c. Gordon Cullen
 - d. Kevin Lynch
10. The author of Architecture: Form, Space and order is
 - a. Francis D.K. Ching
 - b. Louis H. Sullivan
 - c. B.V. Doshi
 - d. Walter Gropius
11. The potential cause of failure in Long Column structural system is
 - a. Flutter
 - b. Punching Shear
 - c. Moment
 - d. Buckling

12. In Flemish bond brick work
 - a. Each course consists of alternating headers & stretchers
 - b. Every second course consists of alternating headers & stretchers
 - c. Alternate course of headers & stretchers
 - d. All the bricks are laid as headers on the faces
13. The 73rd & 74th constitutional amendments pertain to
 - a. Abolishing the Urban Land ceiling Act
 - b. Implementation of Smart City Mission
 - c. Providing more responsibility to Municipal & Local bodies for planning and development
 - d. Providing right to information for the general public
14. Which one of the following would be most suitable for a high-rise building in a high-risk seismic zone?
 - a. A building with L-shaped configuration
 - b. A building with symmetrical square shaped configuration
 - c. A building with T-shaped configuration
 - d. A building on stilts
15. First town planner and inventor of orthogonal urban layout is
 - a. Hippodamus
 - b. Dinocrates
 - c. Aristotle
 - d. Daniel Burnham
16. Garden City concept is advocated by
 - a. Le-Corbusier
 - b. Ebenezer Howard
 - c. Paolo Soleri
 - d. Louis I Kahn
17. Under LEED rating system, to obtain platinum rating, the number of points to be scored are
 - a. 40-49 points
 - b. 50-59 points
 - c. 60-79 points
 - d. 80 points & above
18. Architect who pioneered vernacular sustainable eco-friendly architecture in India with brick and other locally available materials is
 - a. Gautam Sarabhai
 - b. Laurie Baker
 - c. B.V. Doshi
 - d. Satish Gujral
19. The project HABITAT, Montreal, Canada designed by renowned architect Moshe Safdie is an example of
 - a. Prefabricated housing
 - b. High rise apartments
 - c. Low-rise detached dwellings
 - d. Organic architecture
20. Any two Hues positioned exactly opposite each other on the Basic Colour wheel are
 - a. Primary Colours
 - b. Secondary Colours
 - c. Supplementary Colours
 - d. Complementary Colours
21. The purpose of **entourage** is to
 - a. Encourage people to draw human figures
 - b. Motivate an artist to draw perfectly
 - c. Bring a sense of scale and increase the 'dimension' of reality
 - d. Motivate architects to do manual sketching
22. **Unite d'habitation** was an example of
 - a. Modernism
 - b. Post-Modernism
 - c. DE Constructivism
 - d. Arts and Craft movement

23. According to National Building code, area of each equivalent car space inclusive of circulation area in open surface parking is
- 28 sq. mt.
 - 32 sq. mt.
 - 23 sq. mt.
 - 30 sq. mt.
24. The bending moment at the free end of a cantilever is
- Maximum
 - Zero
 - $wl/2$
 - $wl/4$
25. The term **comfort zone** is used in relation to which of the following?
- Bioclimatic chart
 - Sun path diagram
 - Wind square
 - Sundial
26. Which of the following classic orders provide a column shaft height of 7 times its diameter?
- Tuscan
 - Doric
 - Ionic
 - Corinthian
27. The works of Walter Gropius could be classified as which architectural style?
- Modernism
 - Late Modernism
 - Art Deco
 - Critical Regionalism
28. As per National Building code of India, the Floor area ratio (F.A.R.) is
- The total area covered on ground floor to the area of plot
 - The total area covered on all floors to the area of plot
 - The area of plot to the total area covered on ground floor
 - The area of plot to the total area covered on all floors
29. Architect **Frank Gehry** is known for
- Minimalism
 - DE constructivism
 - Eco skyscrapers
 - Metabolism
30. Which one falls under Indo-Saracenic architecture?
- Qutb Minar
 - Taj Mahal Palace Hotel, Mumbai
 - Sher Shah's tomb
 - Bahai Temple
31. In a flat slab, the load is transferred through
- Beam action
 - Membrane action
 - Plate action
 - Vector action
32. **Indore Slum networking Programme** has been planned by
- B.V.Doshi
 - Dulal Mukherjee
 - Anil Lual
 - Himanshu Parikh
33. The delay in the transfer of thermal energy from outside to inside is called
- Thermal Conductivity
 - Insulation
 - Convection loss
 - Thermal lag

34. Weep Holes are necessary for
- Wall footing
 - Structural strength
 - Water pressure release
 - Appearance
35. Which shortcut key is used to on/off 3D object snap in AutoCAD?
- F4
 - F3
 - F7
 - F8
36. In a two-dimensional composition, spatial depth can be created by the principal of
- Balance
 - Rhythm
 - Perspective
 - Harmony
37. WBLOCK command in AutoCAD creates
- Wooden block
 - Drawing file
 - ASCII file
 - Data file
38. Eopolis is
- A city
 - A city in cosmos
 - A village
 - Smart city
39. Float valves are used in distribution reservoirs or other tanks to
- Maintain constant water level
 - Relieve excessive pressure
 - Drain out sediments collected
 - Permit the air to enter
40. Grease trap is provided in house drain connected to
- Kitchen
 - Bathroom
 - Water closet
 - Rain water pipe