

POST GRADUATE COMMON ENTRANCE TEST-2019

DATE and TIME	COURSE		SUBJECT
20-07-2019 2.30 p.m. to 4.30 p.m.	ME/M.Tech/M.Arch/ courses offered by VTU/UVCE/UBDTCE		ARCHITECTURE
MAXIMUM MARKS	TOTAL DURATION	MAXIMUM TIME FOR ANSWERING	
100	150 Minutes	120 Minutes	
MENTION YOUR PGCET NO.		QUESTION BOOKLET DETAILS	
		VERSION CODE	SERIAL NUMBER
		F	150142

DOs :

- Candidate must verify that the PGCET number & Name printed on the OMR Answer Sheet is tallying with the PGCET number and Name printed on the Admission Ticket. Discrepancy if any, report to invigilator.
- This question booklet is issued to you by the invigilator after the 2nd bell i.e., after 2.25 p.m.
- The Version Code of this Question Booklet should be entered on the OMR Answer Sheet and the respective circle should also be shaded completely.
- The Version Code and Serial Number of this question booklet should be entered on the Nominal Roll without any mistakes.
- Compulsorily sign at the bottom portion of the OMR answer sheet in the space provided.

DON'Ts :

- The timing and marks printed on the OMR answer sheet should not be damaged / mutilated / spoiled.
- The 3rd Bell rings at 2.30 p.m., till then;
 - Do not remove the paper seal / polythene bag present on the right hand side of this question booklet.
 - Do not look inside this question booklet.
 - Do not start answering on the OMR answer sheet.

IMPORTANT INSTRUCTIONS TO CANDIDATES

- This question booklet contains 75 (items) questions and each question will have one statement and four answers. (Four different options / responses.)
- After the 3rd Bell is rung at 2.30 p.m., remove the paper seal / polythene bag on the right hand side of this question booklet and check that this booklet does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet. Read each item and start answering on the OMR answer sheet.
- During the subsequent 120 minutes:
 - Read each question (item) carefully.
 - Choose one correct answer from out of the four available responses (options / choices) given under each question / item. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose **only one response** for each item.
 - Completely darken / shade the relevant circle with a **BLUE OR BLACK INK BALL POINT PEN** against the question number on the OMR answer sheet.

ಸರಿಯಾದ ಕ್ರಮ CORRECT METHOD	ತಪ್ಪು ಕ್ರಮಗಳು WRONG METHODS

- Use the space provided on each page of the question booklet for Rough Work. Do not use the OMR answer sheet for the same.
- After the last Bell is rung at 4.30 p.m., stop marking on the OMR answer sheet and affix your left hand thumb impression on the OMR answer sheet as per the instructions.
- Handover the OMR ANSWER SHEET to the room invigilator as it is.
- After separating the top sheet (KEA copy), the invigilator will return the bottom sheet replica (Candidate's copy) to you to carry home for self-evaluation.
- Preserve the replica of the OMR answer sheet for a minimum period of ONE year.
- Only Non-programmable calculators are allowed.

Marks Distribution

PART-1 : 50 QUESTIONS CARRY ONE MARK EACH (1 TO 50)
PART-2 : 25 QUESTIONS CARRY TWO MARKS EACH (51 TO 75)

AR-F



CONFIDENTIAL

ARCHITECTURE

PART – 1

Each question carries one mark.

(50 × 1 = 50)

1. The concept of “Serial Vision” in perceiving urban form was propounded by
 - (A) Kevin Lynch
 - (B) Idmund Bacon
 - (C) Gordon Cullen
 - (D) Daniel Burnham

2. Mughal gardens were based on
 - (A) Charbagh structure
 - (B) Stepped well structure
 - (C) Chatri structure
 - (D) Spanish garden structure

3. Capital Delhi was designed by
 - (A) Patrick Geddes
 - (B) Edwin Lutyens
 - (C) Le Corbusier
 - (D) Ebenezer Howard

4. Which of the following is an example of rock-cut architecture ?
 - (A) Durga Temple Aihole
 - (B) Virupaksha Temple at Hampi
 - (C) Badami Temples
 - (D) Jambulingeshwara Temple in Pattadakal

5. GIS stands for
 - (A) Global Information System
 - (B) Global Intelligent System
 - (C) Geographic Information system
 - (D) Geographic Interpretation System

6. “Light is the maker of material” is the philosophy of which architect ?
 - (A) Louis Kahn
 - (B) Anant Raje
 - (C) Norman Foster
 - (D) Santiago Calatrava

Space For Rough Work

7. Chaityas and Viharas are components of which architecture ?
- (A) Hindu Architecture
 - (B) Jain Architecture
 - (C) Buddhist Architecture
 - (D) Colonial Architecture
8. Which of the following is not part of a typical Egyptian temple ?
- (A) Pylons
 - (B) Sarcophagus
 - (C) Hypostyle hall
 - (D) Sanctuary Chapels
9. The Greek Architecture followed which of the following systems to construct ?
- (A) Arcaded System
 - (B) Pyramids
 - (C) Domical System
 - (D) Columnar and trabeated System
10. Which of the following is not a Greek order ?
- (A) Doric order
 - (B) Tuscan order
 - (C) Ionic order
 - (D) Corinthian order
11. The style of Architecture which evolved through the amalgamation of Indian, Islamic and Colonial styles is called
- (A) Art Deco style
 - (B) Nagara style
 - (C) Indo Saracenic style
 - (D) Inter Continental style
12. Notre Dame du Haut, Ronchamp was designed by
- (A) Louis Sullivan
 - (B) Mies Van der Rohe
 - (C) Le Corbusier
 - (D) Frank Lloyd Wright

Space For Rough Work

13. Which of the following architects extensively practiced low cost techniques of construction ?
- (A) Laurie Baker
 - (B) Geoffery Bawa
 - (C) Christopher Benninger
 - (D) Charles Correa
14. Which of the following is not the parameter to assess the buildable area in a plot ?
- (A) location of the plot in the urban context
 - (B) Abutting road width
 - (C) Size of the plot
 - (D) Shape of the plot
15. Which of the following is the regional planning authority for Bangalore ?
- (A) BMRDA
 - (B) BDA
 - (C) BMRCL
 - (D) BIAPPA
16. Housing typology with common walls between units is
- (A) Row housing
 - (B) Plotted development
 - (C) Courtyard houses
 - (D) High rise housing systems
17. Garden City Planning principle was propounded by
- (A) Clarence Stein
 - (B) Ebenezer Howard
 - (C) Clarence Perry
 - (D) Daniel Burnham
18. Planting same species of tree varieties over large areas is called
- (A) Monoculture
 - (B) Tissue culture
 - (C) Pesci culture
 - (D) Horticulture
19. A historical palace converted into a hotel is an example of which of the following ?
- (A) Conservation
 - (B) Protection and conservation
 - (C) Adaptive reuse
 - (D) Regeneration

Space For Rough Work

20. The neighborhood concept is based on which of the following aspects ?
- (A) Walkability
 - (B) Commercial facilities
 - (C) Location of work places
 - (D) Road network
21. The gardens of Rashtrapathi Bhavan is an example of
- (A) Picturesque gardens
 - (B) Mughal gardens
 - (C) Zen gardens
 - (D) Rock gardens
22. Which of the following contribute to understanding place-making in an urban context ?
- (A) Land use mapping
 - (B) Transport networks
 - (C) Mapping everyday life
 - (D) Hydrology mapping
23. Which of the following is not a hard scape element in a landscape ?
- (A) Rocks
 - (B) Planting material
 - (C) Paving
 - (D) Retaining wall
24. Refinements to correct optical illusions in buildings was part of
- (A) Roman Architecture
 - (B) Mesopotamian Architecture
 - (C) Greek Architecture
 - (D) Egyptian Architecture
25. Sagrada Familia in Barcelona was designed by
- (A) Calvert Vaux
 - (B) Antoni Gaudi
 - (C) Otto Wagner
 - (D) Aldo Rossi

Space For Rough Work

26. St. Paul's Cathedral was designed by
- (A) Ingio Jones
 - (B) J.A. Gabriel
 - (C) Christopher Wren
 - (D) Bramante
27. Roberto Burle Marx of Brazil was a
- (A) Urban Planer
 - (B) Environmentalist
 - (C) Landscape Architect
 - (D) Urban Designer
28. Points, lines, planes form the conceptual elements of which of the following parts ?
- (A) Parc de la Villette
 - (B) Central Park
 - (C) Liberty State Park
 - (D) Bois de Vincennes
29. The niche oriented towards Mecca in a mosque is called
- (A) Mimbar
 - (B) Mihrab
 - (C) Maqsura
 - (D) Minar
30. Identify the element which does not characterize a Buddhist stupa ?
- (A) Raised mound which is domical
 - (B) Paths and rails
 - (C) Vaulted spaces
 - (D) Gateways
31. Unity Temple, Oak Park, Illinois was designed by
- (A) Louis Sullivan
 - (B) Henry Bacon
 - (C) H.H. Richardson
 - (D) Frank Lloyd Wright
32. Lingaraja temple in Bhubaneshwar is an example of which of the following styles of temple architecture ?
- (A) Vesara
 - (B) Dravida
 - (C) Nagara
 - (D) Pandya

Space For Rough Work

33. Piazza d'Italia by Charles Moore depicts which of the following movements in architecture ?
- (A) Post Modernism
 - (B) Modernism
 - (C) Revivalism
 - (D) Arts and Crafts Movement
34. The Tharavad houses are examples of Vernacular Architecture of which of the following regions ?
- (A) Rajasthan
 - (B) Kerala
 - (C) West Bengal
 - (D) Orissa
35. Traditional housing clusters of families of particular group observed in old Ahmedabad are called
- (A) Toda cluster
 - (B) Agraharas
 - (C) Pols
 - (D) Bhunga cluster
36. Which is the Act that establishes planning structure and mechanism for Karnataka ?
- (A) Karnataka Land Reforms Act
 - (B) Karnataka Urban Development Authorities Act
 - (C) Karnataka Town and Country Planning Act
 - (D) Karnataka Municipalities Act
37. Landscapes which are combined work of nature & man, valued for inherent culture are called
- (A) Urban landscapes
 - (B) Heritage landscapes
 - (C) Natural landscapes
 - (D) Cultural landscapes
38. The "Fube House" concept of low cost housing was propounded by
- (A) B.V. Doshi
 - (B) Raj Rewal
 - (C) Charles Correa
 - (D) Bimal Patel

Space For Rough Work

39. Piet Mondrian is associated with which movement ?
- (A) Art Deco
 - (B) Structuralism
 - (C) De Stijl
 - (D) Modernism
40. "Rasa & Rationalism" is the philosophy of which Indian architect's works ?
- (A) Raj Rewal
 - (B) Uttam Jain
 - (C) Bimal Patel
 - (D) Achyut Kanvinde
41. TDR stands for
- (A) Traffic Development Regulation
 - (B) Traffic Development Rights
 - (C) Transferable Development Regulation
 - (D) Transferable Development Rights
42. The plan of the city at ward level qualifies as
- (A) Structure plan
 - (B) Regional plan
 - (C) Block level plan
 - (D) Comprehensive City Development Plan
43. "Constructive & Conservative Surgery" is the philosophy of which of the following Urban Planners ?
- (A) Ebenezer Howard
 - (B) Patrick Geddes
 - (C) Clarence Stein
 - (D) Le Corbusier
44. Which is the Indian Organisation engaged in protection of Heritage Monuments ?
- (A) Indian National Trust for Art and Cultural Heritage
 - (B) International Council on Monuments and Sites
 - (C) Archaeological Survey of India
 - (D) Indian Trust for Rural Heritage and Development

Space For Rough Work

45. The architect who designed 'Pompidov Centre' is
- (A) Norman Foster
 - (B) Renzo Piano
 - (C) Santiago Calatrava
 - (D) Richard Meiev
46. Town Planning Scheme involves
- (A) Regenerate inner city areas
 - (B) Making block level plans
 - (C) Involves pooling and redistribution of land
 - (D) Identifying and Regenerating Slum
47. Who won 2018 Pritzker Architecture Prize ?
- (A) Kenzo Tange
 - (B) B.V. Doshi
 - (C) Rafael Avanda
 - (D) Charles Correa
48. Which of the following landscape architect pioneered the concept of ecological planning ?
- (A) Ian Mc. Harz
 - (B) Frederick Law Olmsted
 - (C) Beatrix Farrand
 - (D) Thomas Church
49. Identify the famous architectural work of Pritzker Awardee Peter Zumthor.
- (A) Millennium Bridge
 - (B) Kansai International Airport
 - (C) Therme Vals
 - (D) Ningbo Museum
50. The work "The eyes of the skin" is written by
- (A) Robert Venturi
 - (B) Juhani Pallasma
 - (C) Charles Jencks
 - (D) Kenneth Frampton

Space For Rough Work

(Each question carries 2 marks)

51. Identify the two principles of Modernism listed below :
- (A) Purity of form and form follows function
 (B) Accepting history and reviving ornament
 (C) Layering and organic
 (D) Bold designs and vibrant colours, patterns
52. Match the associations :
- | | | | |
|---|----------------|----|----------------|
| P | Lucio Costa | 1. | Brasilia |
| Q | Le Corbusier | 2. | Nav Mumbai |
| R | B.V. Doshi | 3. | Chandigarh |
| S | Charles Correa | 4. | Vidyadharnagar |
- | | P | Q | R | S |
|-----|---|---|---|---|
| (A) | 1 | 3 | 2 | 4 |
| (B) | 2 | 4 | 1 | 3 |
| (C) | 1 | 3 | 4 | 2 |
| (D) | 2 | 1 | 4 | 3 |
53. Which of the following are transient elements in a landscape ?
- (A) Air movement and light
 (B) Air movement and vegetation
 (C) Water and light
 (D) Light and vegetation
54. Which of the following depict natural processes in a landscape ?
- (A) Formation of Ox.bowlakes and Glaciation
 (B) Erosion and Afforestation
 (C) Afforestation and Forest clearing
 (D) Glaciation and Afforestation
55. Identify the colours associated with land uses for a land use map in Karnataka.
- | | | | |
|---|---------------------|----|--------|
| P | Residential | 1. | Red |
| Q | Commercial | 2. | Yellow |
| R | Recreation | 3. | Blue |
| S | Public, semi public | 4. | Green |
- | | P | Q | R | S |
|-----|---|---|---|---|
| (A) | 2 | 1 | 3 | 4 |
| (B) | 2 | 3 | 4 | 1 |
| (C) | 2 | 3 | 1 | 4 |
| (D) | 1 | 3 | 4 | 2 |
56. Which of the following are planned cities ?
- (A) Chandigarh and Mumbai
 (B) Chandigarh and Bhubaneshwar
 (C) Bhubaneshwar and Kanpur
 (D) Kanpur and Kolkata

Space For Rough Work

57. Unity in a composition is dictated by which of the following ?
- (A) Homogeneity and Contrast
 - (B) Homogeneity and Emphasis
 - (C) Contrast and Regularity
 - (D) Homogeneity and Regularity
58. Which of the following cannot be categorized as natural site factors ?
- (A) Soil and Vegetation
 - (B) Vegetation and Hydrology
 - (C) Vegetation and Geology
 - (D) Geology and Ownership
59. Which of the following represent proportions and the relation of part to whole ?
- (A) Golden section and Fibonacci series
 - (B) Golden section and Monotony
 - (C) Golden section and Proxemics
 - (D) Proxemics and Dynamics
60. Vernacular settlement pattern are influenced by
- (A) Social pattern and Climatic factors
 - (B) Social pattern and the Settlement diagram
 - (C) Settlement diagram & Bye laws
 - (D) Climatic factors and Bye laws
61. Affordability of Housing is determined by
- (A) Land value and Size of the dwelling
 - (B) Size of the dwelling and Owner
 - (C) Land value and Road width
 - (D) Size of the dwelling and Parking
62. Which are the predominant materials of the temples of Bengal region ?
- (A) Granite and Wood
 - (B) Brick and Sandstone
 - (C) Brick and Terracotta
 - (D) Wood and Terracotta

Space For Rough Work

63. Which of the following are not regulated through Zonal regulations of Bangalore Masterplan 2015 ?

- (A) Setback and height of the building
- (B) Setback and Coverage
- (C) Coverage and Façade frame control
- (D) Coverage and Building height

64. Most significant visual difference between Northern and Southern styles of Hindu temple architecture is

- (A) Shikaras in the North & Mandapas in South
- (B) Mandapas in North & Pillared hall in South
- (C) Shikaras in the North & Gopuras in the South
- (D) Antarala in the North & Gopuras in South

65. The main chambers in Nagara style temple architecture are

- (A) Garbhagriha, Natmandir, Jagmohan, Bhogmandir
- (B) Garbhagriha, Pradakshina, Natmandir, Bhogmandir
- (C) Garbhagriha, Pradakshina, Jagmohan, Bhogmandir
- (D) Garbhagriha, Gopuram, Jagmohan, Bhogmandir

66. Which of the following is not a UNESCO World Heritage sites in India ?

- (A) Pattadakal & Hampi
- (B) Mahabalipuram and Ajanta Caves
- (C) Chatrapati Shivaji Terminus & Ellora Caves
- (D) Rani ki Vav and Modhera Sun Temple

Space For Rough Work

67. Which of the following do not include architectural works of B.V. Doshi ?

- (A) CEPT University & IIM, Bangalore
- (B) IIM Bangalore & Kamala House
- (C) Ramakrishna House & Mill owner's Building
- (D) Kamala House & CEPT University

68. The central place theory depicting the settlement hierarchy explains which of the following ?

- (A) Number, Size & Social structure of Settlement
- (B) Number, Size & Location of Settlement
- (C) Number, Size & Road Networks of the Settlement
- (D) Number, Size & Population density of the Settlement

69. Which of the following are examples of High Tech Architectural style ?

- (A) HSBC Hong Kong & Getty Center
- (B) HSBC Hong Kong & Pompidou, Paris
- (C) Guggenheim Museum Bilbao & Vitra Fire Station
- (D) Vitra Fire Station & HSBC Hong Kong

70. What are the aspects which may be analysed through a figure ground map ?

- (A) Block size & land use
- (B) Land use & open spaces
- (C) Street pattern & Block size
- (D) Building details & Street pattern

Space For Rough Work

71. Match the architectural examples to civilizations :

- | | | | |
|---|-----------|----|-------------|
| P | Pyramids | 1. | Mesopotamia |
| Q | Aqueducts | 2. | Egypt |
| R | Theaters | 3. | Rome |
| S | Ziggurats | 4. | Greek |

P	Q	R	S
---	---	---	---

- | | | | | |
|-----|---|---|---|---|
| (A) | 2 | 3 | 4 | 1 |
| (B) | 2 | 3 | 1 | 4 |
| (C) | 2 | 1 | 3 | 4 |
| (D) | 2 | 4 | 3 | 1 |

72. Which of the following is characteristic of Byzantine Architecture ?

- (A) Domes on pendentives and Classical columns
- (B) Dome and Arches
- (C) Rib vault and Domes
- (D) Trabeated structure and Vaults

73. Which of the following is not a contribution of Romans ?

- (A) Arch and Vault
- (B) Dome and Arch
- (C) Vault and Trabeate System
- (D) Vault and Dome

74. Which of the following is not among the five points of Le Corbusier's architectural principles ?

- (A) Pilotis and Roof garden
- (B) Free facade and Horizontal window
- (C) Roof garden and Free plan
- (D) Free flowing forms and Pilotis

75. Identify the two architects who were part of the Deconstruction movement ?

- (A) Bernard Tschumi and Charles Moore
- (B) Peter Eisenman and Bernard Tschumi
- (C) Bernard Tschumi and Le Corbusier
- (D) Charles Moore and Le Corbusier

Space For Rough Work

Space For Rough Work

