

**PGCET-2014****AR**

DAY and TIME		COURSE		SUBJECT	
DAY-1 10.30 am to 12.30 pm		ME/M.Tech/M.Arch courses offered by VTU/UVCE/UBDTCE		ARCHITECTURE	
SESSION : FORENOON					
MAXIMUM MARKS		TOTAL DURATION	MAXIMUM TIME FOR ANSWERING		
100		150 MINUTES	120 MINUTES		
MENTION YOUR PGCET NO.			QUESTION BOOKLET DETAILS		
				VERSION CODE	SERIAL NUMBER
				A - 2	180054

**DOs :**

1. Check whether the PGCET No. has been entered and shaded in the respective circles on the OMR answer sheet.
2. Ensure whether the circles corresponding to course and the specific branch have been shaded on the OMR answer sheet.
3. This Question Booklet is issued to you by the invigilator after the 2<sup>nd</sup> Bell i.e., after 10.25 a.m.
4. The Serial Number of this question booklet should be entered on the OMR answer sheet.
5. The Version Code of this question booklet should be entered on the OMR answer sheet and the respective circles should also be shaded completely.
6. Compulsorily sign at the bottom portion of the OMR answer sheet in the space provided.

**DON'Ts :**

1. **THE TIMING AND MARKS PRINTED ON THE OMR ANSWER SHEET SHOULD NOT BE DAMAGED / MUTILATED / SPOILED.**
2. The 3<sup>rd</sup> Bell rings at 10.30 a.m., till then;
  - Do not remove the paper seal / polythene bag of this question booklet.
  - Do not look inside this question booklet.
  - Do not start answering on the OMR answer sheet.

**IMPORTANT INSTRUCTIONS TO CANDIDATES**

1. This question booklet contains 75 (items) questions and each question will have one statement and four answers. (Four different options / responses.)
2. After the 3<sup>rd</sup> Bell is rung at 10.30 a.m., remove the paper seal / polythene bag 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.
3. 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.**
4. Use the space provided on each page of the question booklet for Rough Work. Do not use the OMR answer sheet for the same.
5. After the last Bell is rung at 12.30 pm, stop marking on the OMR answer sheet and affix your **left hand thumb impression** on the OMR answer sheet as per the instructions.
6. Hand over the **OMR ANSWER SHEET** to the room invigilator as it is.
7. After separating the top sheet, the invigilator will return the bottom sheet replica (Candidate's copy) to you to carry home for self-evaluation.
8. Preserve the replica of the OMR answer sheet for a minimum period of **ONE year**.
9. 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)





**ARCHITECTURE**  
**PART-1**

**Each question carries one mark.**

**50 × 1 = 50**

1. A good example of Asymmetrical Balance is  
(A) Taj Mahal (B) Norte-Dame Cathedral  
(C) Vanna Venturi House (D) Eiffel Tower
2. Ogee Arch refers to which shaped arch?  
(A) 'S' shaped (B) 'U' shaped  
(C) 'V' shaped (D) 'C' shaped
3. Acanthus leaf capital is found in  
(A) Tuscan column (B) Ionic column  
(C) Doric column (D) Corinthian column
4. 'Vitruvian Triad' refers to  
(A) Columnas, Utilitas, Venustas  
(B) Firmitas, Utilitas, Venustas  
(C) Firmitas, Utilitas, Materials  
(D) Firmitas, Columnas, Materials
5. 'Rebirth' refers to  
(A) Greek (B) Romanesque  
(C) Roman (D) Renaissance
6. Bauhaus school was started by  
(A) Peter Eisenman (B) Walter Gropius  
(C) Leon Battista Alberti (D) Daniel Leibeskind
7. 'Minimalism' can be found in the buildings of  
(A) Michael Graves (B) Robert Venturi  
(C) Mies van der Rohe (D) Leon Battista Alberti

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**Space For Rough Work**

8. 'Avenue of sphinxes' is found in  
(A) Cairo (B) Alexandria  
(C) Aswan (D) Luxor
9. The monasteries in Buddhist Architecture are called  
(A) stupas (B) viharas  
(C) chaityas (D) toranas
10. The circumambulatory path around the stupa is called  
(A) Pradakshina patha (B) Pradakshina rasta  
(C) Pradakshina Sthala (D) Pradakshina ratha
11. The Dasavatara Temple at Deogarh belongs to which period  
(A) Kalinga (B) Chalukya  
(C) Gupta (D) Maurya
12. Sanctum sanctorum of a Temple is otherwise called  
(A) Kund (B) Garba griha  
(C) Mandapa (D) Antarala
13. The five rathas at Mamallapuram belong to which style?  
(A) Chola (B) Pandya  
(C) Nayak (D) Pallava
14. Revival of Gothic cathedrals was carried out by  
(A) Viollet-Le-Duc (B) Francois Blondel  
(C) Mies van der Rohe (D) Vitruvius
15. GIS stands for  
(A) Geological Survey of India (B) Geography of India Survey  
(C) Geological Ideology Survey (D) Geographic Information System

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16. TDR stands for  
(A) Traffic Density Regulation (B) Transfer of Development Rights  
(C) Total Development of Region (D) Transport Depot of Region
17. 'A doctor can bury his mistakes, but an architect can only advise his client to plant vines.'  
Who said this ?  
(A) Le Corbusier (B) Mies van der Rohe  
(C) Frank Lloyd Wright (D) Adolf Loos
18. Who is a proponent of organic architecture ?  
(A) F.L. Wright (B) Robert Venturi  
(C) John Ruskin (D) Alberti
19. The Pyramid outside the Louvre Museum was designed by  
(A) Norman Foster (B) Le Corbusier  
(C) Zaha Hadid (D) I.M. Pei
20. London's Millennium Dome was completed in  
(A) 2004 (B) 1999  
(C) 1988 (D) 1990
21. St. Paul's Cathedral by Christopher Wren is located in  
(A) London (B) Athens  
(C) Paris (D) Berlin
22. Both Guggenheim Museums were built by architects with the same first name, which is  
(A) Richard (B) John  
(C) Ludwig (D) Frank
23. What is the name given to central aisle in a church ?  
(A) transept (B) nave  
(C) choir (D) sanctum

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24. In Greek architecture, open air market place is called  
(A) Acropolis (B) Thermae  
(C) Piazza (D) Agora
25. The line of intersection of cross vault is  
(A) Tympanum (B) Pinnacle  
(C) Groin (D) Buttress
26. The annually awarded architecture prize usually referred to as "The Nobel Prize for Architecture" is  
(A) Aga Khan Award (B) Thomas Jefferson Medal  
(C) Stirling Prize (D) Pritzker Architecture Prize
27. Joseph Paxton's Crystal Palace characterizes  
(A) Industrial revolution (B) Renaissance style  
(C) Greek style (D) French Academic Tradition.
28. The architectural term referring to free standing bell tower is  
(A) Transept (B) Campanile  
(C) Triforium (D) Tympanum
29. "The pencil and computer are, if left to their own devices, equally dumb and only as good as the person driving them." Who said this ?  
(A) Zaha Hadid (B) Frank O. Gehry  
(C) Norman Foster (D) Tadao Ando
30. Aqueducts were first constructed by  
(A) Indians (B) Romans  
(C) Egyptians (D) Greeks
31. 'Complexities & Contradictions in Architecture' is written by  
(A) Robert Venturi (B) Charles Jencks  
(C) Kevin Lynch (D) Kenneth Frampton

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32. Which modern city has been planned by Le Corbusier ?  
(A) Pondicherry (B) New Delhi  
(C) Navi Mumbai (D) Chandigarh
33. Land allocated for Transportation & Communication in a city is earmarked in the land use plan by which colour ?  
(A) Grey (B) Red  
(C) Yellow (D) Green
34. As per BDA Bye laws, Mezzanine floor means an intermediate floor not exceeding ----- of the covered area of the ground floor.  
(A)  $1/2$  (B)  $1/4$   
(C)  $2/3$  rd (D)  $1/3$  rd
35. Rose Windows were a usual feature in  
(A) Roman style (B) Gothic style  
(C) Vijayanagara style (D) Greek style
36. In case of water bodies, a buffer of ----- 'No Development Zone' is to be maintained around the lake, as per BDA Bye Laws  
(A) 18.0 m (B) 22.0 m  
(C) 30.0 m (D) 27.0 m
37. 'Rustication' is a way to  
(A) mark the foundation  
(B) calculate energy load  
(C) prepare BOQ  
(D) Ornament the building.

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38. The De Stijl movement in architecture is inspired by which artist ?
- (A) Pablo Picasso (B) Edvard Munch  
(C) Modigliani (D) Piet Mondrian
39. Donnell Garden California was designed by
- (A) F.L. Olmsted (B) William Kent  
(C) Thomas Church (D) Lancelot Brown
40. Lancelot Brown used \_\_\_\_\_ to eliminate boundaries.
- (A) Sunken Fence (B) Waterfall  
(C) Topiary (D) Pebble bed
41. CDP refers to
- (A) Comprehensive Development Plan  
(B) Central Development Plan  
(C) Central Development Proposal  
(D) City Development Proposal
42. Housing in warm humid climate such as Kerala is characterized by
- (A) Thick walls (B) Sloping roofs  
(C) Compact form (D) Small fenestration
43. The person who believed in Diagnostic Survey and Conservative survey in Urban Renewal was
- (A) Doxiadis (B) Kevin Lynch  
(C) Patrick Geddes (D) Burgess

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44. The National Urban Housing & Habitat Policy 2007 promotes observance of  
(A) National Building Code  
(B) Times Savers Standards – Building Types  
(C) Neufert's Data  
(D) Times Savers Standards- Data Hand Book
45. This personality advocated the vertical development of cities  
(A) Abercrombie (B) Le Corbusier  
(C) Raymond Unwin (D) Forshaw
46. Expansion of FAR is  
(A) Floor Area Revision (B) Full Area Ratio  
(C) Floor Area Ratio (D) Free Area Revision
47. The city of New Delhi is designed by  
(A) Le Corbusier (B) B.V. Doshi  
(C) Raj Rewal (D) Edwin Lutyens
48. Neighbourhood planning principle was put forth by  
(A) Clarence Perry (B) Patrick Geddes  
(C) Homer Hoyt (D) Ernest W. Burgess
49. Golden proportion refers to  
(A) 1 : 1.618 (B) 1 : 1.816  
(C) 2 : 3.02 (D) 1 : 1.543
50. Unit of measurement refers to  
(A) rhythm (B) scale  
(C) proportion (D) harmony

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## PART-2

Each question carries two marks.

25 × 2 = 50

51. Match the Architects with their buildings:

- |                        |                            |
|------------------------|----------------------------|
| P. Charles Correa      | 1. Nrityagram              |
| Q. B.V. Doshi          | 2. Asiad Village           |
| R. Raj Rewal           | 3. Kanchanjunga Apartments |
| S. Gerard da Cunha     | 4. Sangath                 |
| (A) P-3, Q-2, R-1, S-4 | (B) P-4, Q-3, R-1, S-2     |
| (C) P-3, Q-4, R-1, S-2 | (D) P-3, Q-4, R-2, S-1     |

52. Match the colour to the respective land use :

- |                                     |                        |
|-------------------------------------|------------------------|
| P. Transportation & Communication   | 1. Light blue          |
| Q. Public Utilities                 | 2. Green               |
| R. Parks, Playgrounds & Open spaces | 3. Brown               |
| S. Water bodies                     | 4. Grey                |
| (A) P-3, Q-4, R-1, S-2              | (B) P-2, Q-1, R-3, S-4 |
| (C) P-1 Q-2, R-3, S-4               | (D) P-4, Q-3, R-2, S-1 |

53. The two primary objectives of Regional Planning are

- (A) Tourism and Conservation
- (B) Equitable Resource Distribution & Connectivity
- (C) Housing and Slum eradication
- (D) Administration and Law & Order

54. A Cul-de-Sac is

- (A) A street or approach road with a dead end. At one end, it is connected to a main road and at the other end, it is provided with a bulbous end or some such arrangement. This is for the vehicles to take a turn.
- (B) Straight road. At the end, meets the arterial road.
- (C) Pathways; for pedestrian use only.
- (D) Roads that are highways; acts as a connector for thoroughfare.

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Space For Rough Work

55. Match the following allocation of land with the land use :

- |                                     |               |
|-------------------------------------|---------------|
| P. Residential                      | 1. 15%        |
| Q. Transportation & Communication   | 2. 35% to 40% |
| R. Parks, Playgrounds & open spaces | 3. 22% to 25% |
| S. Public & semi public             | 4. 8% to 10%  |
- (A) P-2, Q-3, R-1, S-4                      (B) P-1, Q-2, R-4, S-4  
(C) P-3, Q-4, R-2, S-1                      (D) P-4, Q-1, R-2, S-3

56. Two notable aspects indicating 'Restraint in Architectural composition are

- (A) quiet, balanced  
(B) control over something, being minimalistic  
(C) dynamic, asymmetrical  
(D) chaos, monotonous

57. Associate the temples with the styles.

- |                         |            |
|-------------------------|------------|
| P. Brihadeeswara temple | 1. Pallava |
| Q. Shore temple         | 2. Pandya  |
| R. Meenakshi temple     | 3. Chola   |
| S. Channakeshava temple | 4. Hoysala |
- (A) P-2, Q-3, R-1, S-4                      (B) P-1, Q-2, R-3, S-4  
(C) P-3, Q-1, R-2, S-4                      (D) P-4, Q-2, R-3, S-1

58. In a base map, the following scales should be shown :

- (A) Human and Generic scale  
(B) Graphic and Area scale  
(C) Personal and Monumental scale  
(D) Pedestrian and Vehicular scale

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59. Match the buildings to the architects :

- |                                 |                        |
|---------------------------------|------------------------|
| P. Opera House, Sydney          | 1. Frank Lloyd Wright  |
| Q. Farnsworth House, USA        | 2. Louis I Kahn        |
| R. Kaufmann House, Pennsylvania | 3. Mies van der Rohe   |
| S. IIM, Ahmedabad               | 4. Jorn Utzon          |
| (A) P-4, Q-3, R-1, S-2          | (B) P-3, Q-2, R-4, S-1 |
| (C) P-2, Q-4, R-1, S-3          | (D) P-2, Q-1, R-4, S-3 |

60. The chronological sequence of styles is

- (A) Byzantine → Romanesque → Gothic → Renaissance  
(B) Romanesque → Gothic → Byzantine → Renaissance  
(C) Gothic → Byzantine → Renaissance → Romanesque  
(D) Renaissance → Gothic → Romanesque → Byzantine

61. The chronological sequence in imperial style of Islamic Architecture in India is

- (A) Slave → Khalji → Tughlaq → Sayyid & Lodhi  
(B) Khalji → Slave → Tughlaq → Sayyid & Lodhi  
(C) Slave → Sayyid & Lodhi → Khalji → Tughlaq  
(D) Sayyid & Lodhi → Tughlaq → Khalji → Slave

62. Match the architects with their quote :

- |                           |                        |
|---------------------------|------------------------|
| P. Less is more           | 1. Adolf loos          |
| Q. Less is a bore         | 2. Robert Venturi      |
| R. Ornamentation is crime | 3. Louis Sullivan      |
| S. Form follows function  | 4. Mies van der Rohe   |
| (A) P-2, Q-4, R-3, S-1    | (B) P-4, Q-2, R-1, S-3 |
| (C) P-1, Q-4, R-3, S-2    | (D) P-3, Q-1, R-2, S-4 |

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63. Two natural factors to be considered under site development are
- (A) Physiography and Hydrology      (B) Concept & Design approach  
(C) Culture & Economy      (D) Traffic & Transport
64. 'Accentuation' in Architecture refers to
- (A) Monotony and Dullness  
(B) Minimalistic approach & resort to ornamentation  
(C) Emphasis and highlight  
(D) Being rhythmic and repetitive
65. Match the buildings with their architects :
- |                        |                                 |
|------------------------|---------------------------------|
| P. I.M. Pei            | 1. Bergisel Ski jump            |
| Q. Zaha Hadid          | 2. Kansai International Airport |
| R. Renzo Piano         | 3. National Gallery of Canada   |
| S. Moshe Safdie        | 4. Pyramid at Le Grande Louvre  |
| (A) P-2, Q-3, R-1, S-4 | (B) P-3, Q-2, R-1, S-4          |
| (C) P-1, Q-4, R-2, S-3 | (D) P-4, Q-1, R-2, S-3          |
66. Match the arches with their style :
- |                        |                        |
|------------------------|------------------------|
| P. Pointed arch        | 1. Gothic              |
| Q. Multifoil arch      | 2. Buddhist            |
| R. Horseshoe arch      | 3. Romanesque          |
| S. Semi circular arch  | 4. Islamic arch        |
| (A) P-2, Q-1, R-3, S-4 | (B) P-1, Q-4, R-2, S-3 |
| (C) P-3, Q-2, R-1, S-4 | (D) P-4, Q-3, R-2, S-1 |

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67. Match the Garden style with the example.

<b>Group-I</b>		<b>Group-II</b>	
P.	Mughal Garden	1.	Villa D'Este
Q.	Italian Garden	2.	Vaux-Le-Vicomte
R.	Japanese Garden	3.	Garden of Taj Mahal
S.	French Garden	4.	Katsura Imperial palace Garden
(A)	P-4, Q-2, R-3, S-1	(B)	P-3, Q-1, R-2, S-4
(C)	P-3, Q-1, R-4, S-2	(D)	P-2, Q-1, R-3, S-4

68. Two types of Garden furniture are

- |                             |                                |
|-----------------------------|--------------------------------|
| (A) Plants and water bodies | (B) Bridges and light fixtures |
| (C) Rocks and Pebbles       | (D) Pathways and Roads         |

69. Rural landscapes are dominated by

- (A) Agricultural lands & Natural elements
- (B) Plazas & Public parks
- (C) Schools & Colleges
- (D) Traffic & Transport terminals

70. Two types of moving water features using gravity in landscape design are

- (A) miniature fountains & nozzle sprays
- (B) sheet flow & free flow
- (C) musical fountains & colour fountains
- (D) vertical jet & fountains

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**Space For Rough Work**

71. As per National Urban Housing and Habitat Policy, 2007 'Affordable Housing to All' has special emphasis on
- |                        |                        |
|------------------------|------------------------|
| (A) MIG & EWS sections | (B) HIG & MIG sections |
| (C) LIG & MIG sections | (D) EWS & LIG sections |
72. Match the influences and the corresponding towns :
- |              |                  |
|--------------|------------------|
| P. British   | 1. Visakhapatnam |
| Q. French    | 2. Panjim        |
| R. Dutch     | 3. Kolkata       |
| S. Portugese | 4. Pondicherry   |
- |                        |                        |
|------------------------|------------------------|
| (A) P-4, Q-3, R-2, S-1 | (B) P-3, Q-4, R-2, S-1 |
| (C) P-3, Q-4, R-1, S-2 | (D) P-3, Q-1, R-2, S-4 |
73. Two Provincial styles under Islamic Arch are
- |                      |                    |
|----------------------|--------------------|
| (A) Delhi & Agra     | (B) Mumbai & Agra  |
| (C) Jaunpur & Bengal | (D) Delhi & Mumbai |
74. Two examples of bilateral symmetry are :
- |  |
|--|
| (A) Vanna Venturi house & Wexner Arts Museum |
| (B) Guggenheim at Bilbao & Falling waters    |
| (C) Burj-al-Arab & Robie House               |
| (D) Eiffel Tower & Humayun Tomb              |
75. Match the books to their authors :
- |  |                          |
|--|--------------------------|
| P. House, Form & Culture               | 1. Amos Rappaport        |
| Q. Architecture & Critical Imagination | 2. Christopher Alexander |
| R. A Place in the Shade                | 3. Charles Correa        |
| S. Pattern Language                    | 4. Wayne Attoe           |
- |                        |                        |
|------------------------|------------------------|
| (A) P-1, Q-2, R-4, S-3 | (B) P-1, Q-4, R-3, S-2 |
| (C) P-2, Q-1, R-3, S-4 | (D) P-1, Q-4, R-2, S-3 |

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**Space For Rough Work**

**A-2**