

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC05202413 / Lecturer in Architectural Assistantship / Completed / 2024-09-28

1	Question Description	In a split air conditioner Indoor Unit (IDU) has
	A	Compressor and condenser
	B	Evaporator
	C	Expansion devise and evaporator
	D	Compressor, condenser and expansion device
	E	None of the above
	Correct Answer	B
	Marks	1

2	Question Description	The new Parliament building is designed by :
	A	Prem Chandavarkar
	B	Satish Gujral
	C	Karan Grover
	D	Bimal Patel
	E	None of the above
	Correct Answer	D
	Marks	1

3	Question Description	The moment of inertia of a hollow circular section whose external diameter is 8 cm and internal diameter is 6 cm, about centroidal axis, is.....
	A	437.5 cm ⁴
	B	337.5 cm ⁴
	C	237.5 cm ⁴
	D	137.5 cm ⁴
	E	None of the above
	Correct Answer	D
	Marks	1

4	Question Description	The most reliable method of plotting a theodolite traverse, is
	A	by consecutive co-ordinates of each station
	B	by independent co-ordinates of each station
	C	by plotting included angles and scaling off each traverse leg
	D	by the tangent method of plotting.
	E	None of the above
	Correct Answer	B
	Marks	1

5	Question Description	The brick work is measured in sq metre, in case of
	A	Honey comb brick work
	B	Brick flat soling
	C	Half brick walls or the partition
	D	All the above.
	E	None of the above
	Correct Answer	D
	Marks	1

6	Question Description	The entrance gateway for the Vedic village is known as.....
	A	Pylon
	B	Mukhdwara
	C	Torana
	D	Gramdwara
	E	None of the above
	Correct Answer	D
	Marks	1

7	Question Description	In Goan houses, high plinths was necessitated due to :
	A	Salinity
	B	High Rainfall
	C	Humidity
	D	High Snowfall
	E	None of the above
	Correct Answer	B
	Marks	1

8	Question Description	The early known city with town planning and drainage system....
	A	Mesopotamia
	B	Catal Huyuk
	C	Warka
	D	Mohen-Jo-daro
	E	None of the above
	Correct Answer	D
	Marks	1

9	Question Description	Kadamba style Architecture is seen in Mahadeva temple located at :
	A	Aguada
	B	Collem
	C	Polem
	D	Tambdi Surla
	E	None of the above
	Correct Answer	D
	Marks	1

10	Question Description	The Parthenon in Greece is an example of :
	A	Greek Classical Architecture
	B	Byzantine Architecture
	C	Persian Architecture
	D	Gothic Architecture
	E	None of the above
	Correct Answer	A
	Marks	1

11	Question Description	The rock generally used for roofing is
	A	Granite
	B	Basalt
	C	Slate
	D	Pumice
	E	None of the above
	Correct Answer	C
	Marks	1

12	Question Description	Which plan give a perspective picture of a fully developed town
	A	Master plan
	B	Key plan
	C	Layout plan
	D	All of the above
	E	None of the above
	Correct Answer	A
	Marks	1

13	Question Description	While creating 3D images in AutoCad, you can give a texture to the elements by using
	A	Material Library
	B	Lights
	C	Shadows
	D	Borders
	E	None of the above
	Correct Answer	A
	Marks	1

14	Question Description	Anti-siphonage pipe is connected to
	A	Main soil pipe
	B	Bottom of P Trap W.C.
	C	Top of P Trap W.C.
	D	Side of water closet.
	E	None of the above
	Correct Answer	C
	Marks	1

15	Question Description	Hotel Cidade Goa, Goa was designed by :
	A	Sarto Almeida
	B	Charles Correa
	C	B.V. Doshi
	D	Hafeez Contractor
	E	None of the above
	Correct Answer	B
	Marks	1

16	Question Description	Low cost housing in India was pioneered by
	A	Raj Rewal
	B	Le Corbusier
	C	Louis Kahn
	D	Laurie Baker
	E	None of the above
	Correct Answer	D
	Marks	1

17	Question Description	The keyboard shortcut for Material Editor Toggle in 3dsMax
	A	Q
	B	J
	C	M
	D	Y
	E	None of the above
	Correct Answer	C
	Marks	1

18	Question Description	A Fire Detector cannot detect.....
	A	Radiation
	B	Heat
	C	Light
	D	Smoke
	E	None of the above
	Correct Answer	C
	Marks	1

19	Question Description	In calculation of beam Bending Moments, besides load what is considered?
	A	Finish
	B	Span
	C	Connections
	D	Shape
	E	None of the above
	Correct Answer	B
	Marks	1

20	Question Description	A simply supported beam of span L carries a concentrated load W at its mid-span. The maximum bending moment M is....
	A	$\frac{WL}{2}$
	B	$\frac{WL}{4}$
	C	$\frac{WL}{8}$
	D	$\frac{WL}{12}$
	E	None of the above
	Correct Answer	B
	Marks	1

21	Question Description	Besides cement, coarse Aggregate and fine Aggregate, Reinforced Cement Concrete comprises of :
	A	Steel
	B	Aluminium
	C	Fibreglass
	D	Copper
	E	None of the above
	Correct Answer	A
	Marks	1

22	Question Description	Duco Paints are
	A	Plastic paints
	B	Cellulose paints
	C	Emulsion paints
	D	Oil paints
	E	None of the above
	Correct Answer	B
	Marks	1

23	Question Description	Total quantity of light emitted from a point source of light per second is called as
	A	Luminous Flux
	B	Luminous intensity
	C	Illuminance
	D	Lumen
	E	None of the above
	Correct Answer	A
	Marks	1

24	Question Description	The Sun Temple, at Modhera in Gujarat is built during the reign of...
	A	Solanki
	B	Gupta
	C	Rashtrakuta
	D	Chandela
	E	None of the above
	Correct Answer	A
	Marks	1

25	Question Description	Bitumen Felt is used for.....
	A	Water proofing
	B	Damp proofing
	C	Decorative coat
	D	Both A and B
	E	None of the above
	Correct Answer	D
	Marks	1

26	Question Description	Chandigarh city was planned by the famous French architect
	A	Le Corbusier
	B	Edwin Lutyens
	C	Walter Gropius
	D	Louis Kahn
	E	None of the above
	Correct Answer	A
	Marks	1

27	Question Description	The maximum twisting moment a shaft can resist, is the product of the permissible shear stress and.....
	A	moment of inertia
	B	polar moment of inertia
	C	polar modulus
	D	modulus of rigidity.
	E	None of the above
	Correct Answer	C
	Marks	1

28	Question Description	Pick up the method of surveying in which field observations and plotting proceed simultaneously from the following.....
	A	chain surveying
	B	compass surveying
	C	plan table surveying
	D	tacheometric surveying.
	E	None of the above
	Correct Answer	C
	Marks	1

29	Question Description	The keyboard shortcut Ctrl+1 in AutoCAD is used for
	A	To print the sheet
	B	To open quick Calculator inside AutoCAD user interface
	C	To show the drawing area only
	D	To open the Properties Palette which lists the properties of the object.
	E	None of the above
	Correct Answer	D
	Marks	1

30 **Question Description** For a family of 5, requirement of water per day is

A 67 litres

B 6750 litres

C 675 litres

D 67500 litres

E None of the above

Correct Answer C

Marks 1

31 **Question Description** In 3D working in AutoCad, Repetition of elements at constant intervals can be achieved by the command :

A Divide

B Array

C Share

D Allay

E None of the above

Correct Answer B

Marks 1

32	Question Description	In AutoCAD objects placed in which layer are not plotted or printed
	A	User Defined Layers
	B	Defpoints Layer
	C	Layer 0
	D	Layer 2
	E	None of the above
	Correct Answer	B
	Marks	1

33	Question Description	Queen post is a type of
	A	Truss
	B	Flooring
	C	Wall panel
	D	Kitchen platform
	E	None of the above
	Correct Answer	A
	Marks	1

34	Question Description	One of the features of traditional Goan houses is :
	A	Sloping roof with mangalore tile
	B	Flat roof with Aluminium deck.
	C	Sloping roof with Polycarbonate sheets
	D	Flat roof with Asbestos Sheets
	E	None of the above
	Correct Answer	A
	Marks	1

35	Question Description	Which of the following is a type of connection in steel works?
	A	Flowing
	B	Riveting
	C	Topping
	D	Charting
	E	None of the above
	Correct Answer	B
	Marks	1

36	Question Description	In subdivision of land of area, 72000 square metres, area of open space required to be provided is :
	A	500 sq.m
	B	3600 sq.m
	C	1500 sq.m
	D	10800 sq.m
	E	None of the above
	Correct Answer	D
	Marks	1

37	Question Description	In creating a 3D image in AutoCad, a circular water tank needs to be created. Which command can you use?
	A	Revolve
	B	Fillet
	C	Slice
	D	Chamfer
	E	None of the above
	Correct Answer	A
	Marks	1

38	Question Description	Sound is measured in
	A	Hertz
	B	Decibels
	C	Amplitude
	D	Watt per square meter
	E	None of the above
	Correct Answer	B
	Marks	1

39	Question Description	The area in a Church where transept and nave intersect ...
	A	Propylaeum
	B	Crossing
	C	Narthex
	D	Bema
	E	None of the above
	Correct Answer	B
	Marks	1

40	Question Description	In AutoCAD, which command is used to convert polyline from discret objects
	A	Join
	B	Polyline
	C	Union
	D	All of the above
	E	None of the above
	Correct Answer	A
	Marks	1

41	Question Description	In a building designed in Commercial C1 Zone, as per the Goa land development Regulation act, Floor area ratio is :
	A	5000
	B	800
	C	200
	D	6000
	E	None of the above
	Correct Answer	C
	Marks	1

42	Question Description	Excess of silica in brick earth results in
	A	Cracking and warping of bricks
	B	Loss of cohesion
	C	Efflorescence
	D	Brittleness of bricks
	E	None of the above
	Correct Answer	B
	Marks	1

43	Question Description	Main ingredients of Portland cement are.....
	A	Lime and Silica
	B	Lime and Alumina
	C	Silica and Alumina
	D	Lime and Iron
	E	None of the above
	Correct Answer	A
	Marks	1

44	Question Description	Pick up the item of work not included in the plinth area estimate
	A	Wall thickness
	B	Room area
	C	W.C. area
	D	Courtyard area
	E	None of the above
	Correct Answer	D
	Marks	1

45	Question Description	In levelling operation,
	A	if second reading is more than first, it represents a rise
	B	if first reading is more than second, it represents a rise
	C	if first reading is less than second, it represents a fall
	D	both (b) and (c).
	E	None of the above
	Correct Answer	D
	Marks	1

46	Question Description	Closed contours of decreasing values towards their centre, represent
	A	a hill
	B	a depression
	C	a saddle or pass
	D	a river bed.
	E	None of the above
	Correct Answer	B
	Marks	1

47	Question Description	Flying buttresses in Goa is seen in :
	A	Basilica of Bom Jesus
	B	Cabo de Rama fort
	C	Mangueshi temple
	D	Tiracol fort
	E	None of the above
	Correct Answer	A
	Marks	1

48	Question Description	Where is Buland Darwaza located?
	A	Agra
	B	Fatehpur Sikri
	C	Bijapur
	D	Delhi
	E	None of the above
	Correct Answer	B
	Marks	1

49	Question Description	Metric chains are generally available in
	A	10 m and 20 m length
	B	15 m and 20 m length
	C	20 m and 30 m length
	D	25 m and 100 m length
	E	None of the above
	Correct Answer	C
	Marks	1

50

Question Description	The shape of the bending moment diagram over the length of a beam, carrying a uniformly distributed load is always.....
A	linear
B	parabolic
C	cubical
D	circular
E	None of the above
Correct Answer	B
Marks	1

51

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

According the passage, the philosophical view which considers “Man” as the measure of all things and truth to be man-made, espouses ----- in lieu of knowledge

A union with Non-self

B prejudices, habits and desires

C union with Self

D impenetrable veil between self and the world beyond

E None of the above

Correct Answer

D

Marks

1

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

As per the passage, what is impaired by any attempt to force the universe into conformity with what we find in ourselves?

A self

B non-self

C union

D knowledge

E None of the above

Correct Answer D

Marks 1

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

Identify from the options given below, a word or phrase, which means to damage or harm

A

fetter

B

rob

C

impair

D

force conformity

E

None of the above

Correct Answer

C

Marks

1

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

Indicate from the options provided the closest antonym of 'conform' as used in the passage:

A

flout

B

bypass

C

flaunt

D

deny

E

None of the above

Correct Answer

A

Marks

1

Comprehension

Read the passage below and answer the questions

Knowledge is a form of union of Self and not-Self; like all unions, it is impaired by dominion, and therefore by any attempt to force the universe into conformity with what we find in ourselves. There is a widespread philosophical tendency towards the view which tells us that Man is the measure of all things, that truth is man-made, that space and time and the world of universals are properties of the mind, and that, if there be anything not created by the mind, it is unknowable and of no account for us. This view, if our previous discussions were correct, is untrue; but in addition to being untrue, it has the effect of robbing philosophic contemplation of all that gives it value, since it fetters contemplation to Self. What it calls knowledge is not a union with the not-Self, but a set of prejudices, habits, and desires, making an impenetrable veil between us and the world beyond. The man who finds pleasure in such a theory of knowledge is like the man who never leaves the domestic circle for fear his word might not be law.

Question Description

Read the following statements and say whether they are true or false, on the basis of the passage:

- (i) Man-centric view of the universe and the notion that truth is man-made is utterly fallacious
- (ii) Far from being true, it denies any scope to human mind for contemplation of matters of intrinsic worth to itself

A

statement (i) is true but statements (ii) is false

B

both the statements are true

C

both the statements are false

D

statement (i) is false but statements (ii) is true

E

None of the above

Correct Answer

B

Marks

1

56	Question Description	Which state became the first to offer AYUSH services in all urban primary health centres?
	A	Chhattisgarh
	B	Madhya Pradesh
	C	Odisha
	D	Gujarat
	E	None of the above
	Correct Answer	B
	Marks	1

57	Question Description	What is the new name of Port Blair announced by the Home Minister of India?
	A	Sri Chandra Puram
	B	Sri Vijay Nagar
	C	Sri Vijaya Puram
	D	Sri Chola Boomi
	E	None of the above
	Correct Answer	C
	Marks	1

58	Question Description	Who is appointed as head coach of Goa Cricket Association Senior Men's Team Recently
	A	Dinesh Mongia
	B	Robin Singh
	C	Venkatapathy Raju
	D	Ashish Nehra
	E	None of the above
	Correct Answer	A
	Marks	1

59	Question Description	_____ was sworn in as new Chief State Information Commissioner of Goa.
	A	Arvind Kumar Nair
	B	Venkat c.k.
	C	Sumit Kumar Patel
	D	Srirang Barve
	E	None of the above
	Correct Answer	A
	Marks	1

60	Question Description	Who completed the first private spacewalk at a record-setting height?
	A	Michael Collins
	B	Pavel Vinogradov
	C	Jared Isaacman
	D	Fyodor Nikolayevich Yurchikhin
	E	None of the above
	Correct Answer	C
	Marks	1

61	Question Description	Which country is participating with India in the joint military exercise 'Yudh Abhyas' in 2024?
	A	Russia
	B	Australia
	C	United States
	D	United Kingdom
	E	None of the above
	Correct Answer	C
	Marks	1

62	Question Description	Who is the winner of late Smt. Sunandabai Dayanand Bandodkar Memorial Blitz FIDE Rating Chess Tournament
	A	Madan Lad
	B	Nitish Belurkar
	C	Abhishek Kelkar
	D	Pankaj Bhat
	E	None of the above
	Correct Answer	B
	Marks	1

63	Question Description	Which state is planning to build India's first solar-powered expressway by 2026?
	A	Gujarat
	B	Maharashtra
	C	Uttar Pradesh
	D	Madhya Pradesh
	E	None of the above
	Correct Answer	C
	Marks	1

64	Question Description	Which state is hosting the first Formula 4 car race in South Asia?
	A	Maharashtra
	B	Gujarat
	C	Tamil Nadu
	D	West Bengal
	E	None of the above
	Correct Answer	C
	Marks	1

65	Question Description	In which Indian state was the world's first Asian King Vulture Conservation and Breeding Centre inaugurated?
	A	Maharashtra
	B	Gujarat
	C	Uttar Pradesh
	D	Rajasthan
	E	None of the above
	Correct Answer	C
	Marks	1

Question Description	<p>Each question given below consists of a statement, followed by three or four arguments numbered I, II, III and IV. You have to decide which of the arguments is/are 'strong' arguments) and which is/are 'weak' arguments) and accordingly choose your answer from the alternatives given below each question.</p> <p>Statement: Should trade unions be banned completely?</p> <p>Arguments:</p> <ul style="list-style-type: none">I. Yes. Workers can concentrate on production.II. No. This is the only way through which employees can put their demands before the management.III. Yes. Employees get their illegal demands fulfilled through these unions.IV. No. Trade unions are not banned in other economically advanced countries.
A	Only I is strong
B	Only II is strong
C	Only I and II are strong
D	Only I, II and III are strong
E	None of the above
Correct Answer	B
Marks	1

67

Question Description

If first and third digits of each number are interchanged and then numbers are arranged in ascending order then which of the following will be the second number from right end?

A

2764

B

9862

C

7983

D

5493

E

None of the above

Correct Answer

C

Marks

1

68	Question Description	Four of the following five are related to each other in terms of English alphabet series and thus form a group. Which of the following does not fit to that group?
	A	FUX
	B	PKN
	C	HSV
	D	MNP
	E	None of the above
	Correct Answer	D
	Marks	1

69	Question Description	January 1, 2007 was Monday. What day of the week lies on Jan. 1, 2008?
	A	Monday
	B	Tuesday
	C	Wednesday
	D	Sunday
	E	None of the above
	Correct Answer	B
	Marks	1

70

Question Description	How many such pairs of letters are there in the 'CONDITIONAL' each of which has as many letters between them in the word as in the English Alphabet?
A	One
B	Two
C	Three
D	four
E	None of the above
Correct Answer	E
Marks	1

71

Question Description

Choose the pair that best represents a similar relationship to the one expressed in the original pair of words.

PASTORAL : RURAL

A

metropolitan : urban

B

harvest : autumn

C

agrarian : benevolent

D

sleepy : nocturnal

E

None of the above

Correct Answer

A

Marks

1

72

Question Description

Find the missing Numbers

36	6	9	15
88	11	9	?
120	?	6	18

A 54,41**B** 17,82**C** 17,10**D** 96,13**E** None of the above**Correct Answer** C**Marks** 1

73

Question Description	A wheel that has 6 cogs is meshed with a larger wheel of 14 cogs. When the smaller wheel has made 21 revolutions, then the number of revolutions mad by the larger wheel is:
A	4
B	9
C	12
D	49
E	None of the above
Correct Answer	B
Marks	1

74

Question Description

Directions: Read the following information carefully and answer the questions given beside.

Certain number of persons sit around a square table such that nobody sits at the corner and not more than 4 persons sit around each of the sides. Information about few persons is given and all the persons face towards the centre. Only 4 persons sit between P and T, who is on the immediate left of Q. S is sixth to the right of U. R is at a gap of two persons from U, who is adjacent to T. Only one person sits between R and V, who is third to the right of S.

What is the position of R with respect to Q?

A

Immediate right

B

Fifth to the right

C

Fifth to the left

D

Immediate left

E

None of the above

Correct Answer

C

Marks

1

75

Question Description

select the related word/letters/number from the given alternatives.

225 : 12 : 435 : ?

A

12

B

20

C

25

D

19

E

None of the above

Correct Answer

D

Marks

1