National Testing Agency

Question Paper Name :	PGQP21 16th Sept 2021 Shift 2
Subject Name :	PGQP21
Creation Date :	2021-09-16 20:14:03
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PGQP21

Group Number :	1
Group Id :	864351325
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	400
Is this Group for Examiner? :	No

PART A-General

Section Id :	8643511192
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory

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Number of Questions :	25
Number of Questions to be attempted :	25
Section Marks :	100
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	8643511425
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 86435128205 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A *conscientious* employee is always admired by his employers.

Which of the following best describes the underlined word of the above sentence?

1. Skillful
2. Dexterous
3. Clever
4. Careful

Options :

86435197271. 1

86435197272. 2

86435197273. 3

86435197274. 4

Question Number : 2 Question Id : 86435128206 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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I requested him to look after my things because I can confide _____ him.

1. on
2. to
3. in
4. with

Options :

86435197275. 1

86435197276. 2

86435197277. 3

86435197278. 4

Question Number : 3 Question Id : 86435128207 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Select the most suitable synonym 'Zenith'.

1. Middle
2. Pinnacle
3. Under
4. Contaminate

Options :

86435197279. 1

86435197280. 2

86435197281. 3

86435197282. 4

Question Number : 4 Question Id : 86435128208 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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Rajesh stood _____ Smita, but could not utter a single word for quite some time.

1. for
2. with
3. before
4. towards

Options :

86435197283. 1

86435197284. 2

86435197285. 3

86435197286. 4

Question Number : 5 Question Id : 86435128209 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following words can most appropriately replace the underlined group of words in the sentence?

The saint impressed everyone with his persuasive and fluent speech.

1. Lecture
2. Discourse
3. Expression
4. Eloquence

Options :

86435197287. 1

86435197288. 2

86435197289. 3

86435197290. 4

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Question Number : 6 Question Id : 86435128210 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Select the most suitable antonym 'Prey'.

1. Predator
2. Animal
3. Unprey
4. Deer

Options :

86435197291. 1

86435197292. 2

86435197293. 3

86435197294. 4

Question Number : 7 Question Id : 86435128211 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Identify the meaning of the idiom 'seeing eye to eye' from the options given below :

1. Agreeing with somebody
2. Treating someone with respect
3. Paying close attention to something someone is saying
4. Identifying a minor mistake

Options :

86435197295. 1

86435197296. 2

86435197297. 3

86435197298. 4

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Question Number : 8 Question Id : 86435128212 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Choose the correct spelling of the following :

1. Miselaneous
2. Miscellaneous
3. Missceelanous
4. Micelaeous

Options :

86435197299. 1

86435197300. 2

86435197301. 3

86435197302. 4

Question Number : 9 Question Id : 86435128213 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

He is not hardworking, _____ he is intelligent.

1. though
2. even though
3. notwithstanding
4. but

Options :

86435197303. 1

86435197304. 2

86435197305. 3

86435197306. 4

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Question Number : 10 Question Id : 86435128214 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Complete the second sentence by selecting the appropriate option given below :

I did not work hard at school. Consequently _____.

1. I did well at university
2. I failed most of my exams
3. I did not work hard in college
4. I was good at Mathematics

Options :

86435197307. 1

86435197308. 2

86435197309. 3

86435197310. 4

Question Number : 11 Question Id : 86435128215 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Choose the number which is different from others in the group.

1. 48
2. 12
3. 36
4. 59

Options :

86435197311. 1

86435197312. 2

86435197313. 3

86435197314. 4

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Question Number : 12 Question Id : 86435128216 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the series 7, 14, 28, ……., what will be the 10^{th} term ?

1. 1792
2. 2456
3. 3584
4. 4096

Options :

86435197315. 1

86435197316. 2

86435197317. 3

86435197318. 4

Question Number : 13 Question Id : 86435128217 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What term will fill the blank space?

A, C, F, H, ?, M

1. L
2. K
3. J
4. I

Options :

86435197319. 1

86435197320. 2

86435197321. 3

86435197322. 4

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Question Number : 14 Question Id : 86435128218 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192.
How is PILLER written in that code?

1. 318826
2. 318286
3. 618826
4. 338816

Options :

86435197323. 1

86435197324. 2

86435197325. 3

86435197326. 4

Question Number : 15 Question Id : 86435128219 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

When Anuj saw Manish, he recalled "He is the son of the father of my daughter." Who is Manish?

1. Brother-in-law
2. Brother
3. Cousin
4. Uncle

Options :

86435197327. 1

86435197328. 2

86435197329. 3

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86435197330. 4

Question Number : 16 Question Id : 86435128220 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrange the given words in alphabetical order and tick the one that comes first.

1. Nature
2. Native
3. Narrate
4. Nascent

Options :

86435197331. 1

86435197332. 2

86435197333. 3

86435197334. 4

Question Number : 17 Question Id : 86435128221 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Manish ranked sixteenth from the top and twenty-ninth from the bottom among those who passed an examination. Six boys did not participate in the competition and five failed in it. How many boys were there in the class?

1. 40
2. 44
3. 50
4. 55

Options :

86435197335. 1

86435197336. 2

86435197337. 3

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86435197338. 4

Question Number : 18 Question Id : 86435128222 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If × means –, + means ÷, – means × and ÷ means +, then

15 –2 ÷ 900 + 90 × 100 = ?

1. 190
2. 180
3. 90
4. None of these

Options :

86435197339. 1

86435197340. 2

86435197341. 3

86435197342. 4

Question Number : 19 Question Id : 86435128223 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Find the number of triangles in the given figure :

1. 10
2. 9
3. 8
4. 7

Options :

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86435197343. 1

86435197344. 2

86435197345. 3

86435197346. 4

Question Number : 20 Question Id : 86435128224 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Greta Garbo is associated with

1. classical dance
2. acting
3. music
4. literature

Options :

86435197347. 1

86435197348. 2

86435197349. 3

86435197350. 4

Question Number : 21 Question Id : 86435128225 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Who created the famous Rock Garden of Chandigarh?

1. Gaudi
2. Nek Chand
3. Saarinen
4. Krishnarao Jaisim

Options :

86435197351. 1

86435197352. 2

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86435197353. 3

86435197354. 4

Question Number : 22 Question Id : 86435128226 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Who among the following is regarded as the leader of Chipko Movement?

1. Medha Patkar
2. Baba Amte
3. Sundarlal Bahuguna
4. Kiran Bedi

Options :

86435197355. 1

86435197356. 2

86435197357. 3

86435197358. 4

Question Number : 23 Question Id : 86435128227 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Hamja folk dance is related with which of the following tribes?

1. Rabha tribe
2. Bhil tribe
3. Bonda tribe
4. Gond tribe

Options :

86435197359. 1

86435197360. 2

86435197361. 3

86435197362. 4

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Question Number : 24 Question Id : 86435128228 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Recently 'Echo and Bifrost' were in the news. These are related to

1. Satellites
2. Undersea Internet cables
3. Supercomputers
4. Defence sophisticated weapons

Options :

86435197363. 1

86435197364. 2

86435197365. 3

86435197366. 4

Question Number : 25 Question Id : 86435128229 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the oldest dynasty?

1. Gupta
2. Maurya
3. Kanva
4. Kushan

Options :

86435197367. 1

86435197368. 2

86435197369. 3

86435197370. 4

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Part B-Sustainable Architecture

Section Id :	8643511193
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	75
Number of Questions to be attempted :	75
Section Marks :	300
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	8643511426
Question Shuffling Allowed :	Yes

Question Number : 26 Question Id : 86435128230 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A ward has a gross density of 250 persons per hectare and a net density of 400 per hectare. If the area of ward is 120 hectares, then the non-residential area percentage is

1. 32.5
2. 35.5
3. 37.5
4. 40

Options :

86435197371. 1

86435197372. 2

86435197373. 3

86435197374. 4

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Question Number : 27 Question Id : 86435128231 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which waste disposal method converts solid organic wastes into the residue and gaseous products through combustion?

1. Incarnation
2. Incineration
3. Incarceration
4. Incubation

Options :

86435197375. 1

86435197376. 2

86435197377. 3

86435197378. 4

Question Number : 28 Question Id : 86435128232 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Measuring BOD (biological oxygen demand) is primarily used for

1. estimating the types of microbes
2. determine the level of dissolved oxygen
3. estimating the quantity of organic matter in sewage water
4. estimating the demand for medical oxygen at the hospitals

Options :

86435197379. 1

86435197380. 2

86435197381. 3

86435197382. 4

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Question Number : 29 Question Id : 86435128233 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

'Gopuram' refers to

1. temple
2. monumental entrance tower
3. village
4. brick dome

Options :

86435197383. 1

86435197384. 2

86435197385. 3

86435197386. 4

Question Number : 30 Question Id : 86435128234 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Density control of residential area is expressed in terms of

1. dwelling units per floor
2. dwelling units per plot
3. age-sex ratio
4. floor area ratio

Options :

86435197387. 1

86435197388. 2

86435197389. 3

86435197390. 4

Question Number : 31 Question Id : 86435128235 Question Type : MCQ Option Shuffling : No

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Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the full form of IGBC ?

1. Indian Green Building Control
2. Indian Green Building Council
3. International Green Building Control
4. International Green Building Council

Options :

86435197391. 1

86435197392. 2

86435197393. 3

86435197394. 4

Question Number : 32 Question Id : 86435128236 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The ecological approach to urban sociology requires studying

1. how social groups colonized different areas of the city and competed for resources
2. the forms of wildlife and natural habitats that could be found on the edges of the city
3. the way in which people organized collective protests about environmental issues
4. how men and women used the city's public spaces differently

Options :

86435197395. 1

86435197396. 2

86435197397. 3

86435197398. 4

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Question Number : 33 Question Id : 86435128237 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 'decentralized city' can be identified by

1. the shift of employment and services away from the inner city towards multiple centers in smaller towns and rural areas

2. gender equity in public spaces and women can use local facilities more

3. gentrification : The movement of middle-class people back into the inner city

4. All of the above

Options :

86435197399. 1

86435197400. 2

86435197401. 3

86435197402. 4

Question Number : 34 Question Id : 86435128238 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following temples is popularly known as Black Pagoda?

1. Jagannath Temple

2. Lingaraja Temple

3. Baitala Deula Temple

4. Konark Sun Temple

Options :

86435197403. 1

86435197404. 2

86435197405. 3

86435197406. 4

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Question Number : 35 Question Id : 86435128239 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Dravidan style of architecture flourished between

1. Krishna river basin and Kanyakumari
2. Godavari river basin and Krishna river basin
3. Ganga river basin and Kanyakumari
4. Ganga river basin and Narmada river basin

Options :

86435197407. 1

86435197408. 2

86435197409. 3

86435197410. 4

Question Number : 36 Question Id : 86435128240 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The major source of freshwater in India is

1. rainfall
2. groundwater
3. atmospheric water
4. ocean water

Options :

86435197411. 1

86435197412. 2

86435197413. 3

86435197414. 4

Question Number : 37 Question Id : 86435128241 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

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Correct Marks : 4 Wrong Marks : 1

Thermal mass is defined as

1. a building's insulation material
2. the materials used to construct a building
3. the structure's heating and cooling systems
4. the ability of a material or object to hold heat

Options :

86435197415. 1

86435197416. 2

86435197417. 3

86435197418. 4

Question Number : 38 Question Id : 86435128242 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is the least effective at minimizing summer solar gain?

1. Awning
2. Window blinds
3. Porch
4. Shutters

Options :

86435197419. 1

86435197420. 2

86435197421. 3

86435197422. 4

Question Number : 39 Question Id : 86435128243 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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The main objective of producing combined building services drawing is to

1. provide a useful tool for maintenance in the related services
2. identify the problematic areas for services and structural co-ordination
3. help finalize the schematic designs of all related building services
4. show all related services elements on one drawing for ease of inspection

Options :

86435197423. 1

86435197424. 2

86435197425. 3

86435197426. 4

Question Number : 40 Question Id : 86435128244 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____ is the part of building constructed below the plinth level.

1. Plinth area
2. Superstructure
3. Substructure
4. Formation level

Options :

86435197427. 1

86435197428. 2

86435197429. 3

86435197430. 4

Question Number : 41 Question Id : 86435128245 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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Biochemical oxygen demand (BOD) of safe drinking water must be

1. –10
2. 0
3. 1
4. 10

Options :

86435197431. 1

86435197432. 2

86435197433. 3

86435197434. 4

Question Number : 42 Question Id : 86435128246 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

When planning a construction project, it's important to consider the life cycle assessment of the constituting elements. The 4 steps of LCA in the correct order are

1. Processing & Manufacturing, Resource and material extraction, Use (operational period), End of life
2. Resource and material extraction, Processing & Manufacturing, Use (operational period), End of life
3. Use (operational period), Processing & Manufacturing, Resource and material extraction, End of life
4. Use (operational period), Resource and material extraction, Processing & Manufacturing, End of life

Options :

86435197435. 1

86435197436. 2

86435197437. 3

86435197438. 4

Question Number : 43 Question Id : 86435128247 Question Type : MCQ Option Shuffling : No

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Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

CPCB is an organization which deals with

1. pest control
2. poverty control
3. population control
4. pollution control

Options :

86435197439. 1

86435197440. 2

86435197441. 3

86435197442. 4

Question Number : 44 Question Id : 86435128248 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ratio of 'Golden Mean' is

1. 1 : 2.261
2. 1 : 1.618
3. 1 : 1.15
4. 1 : 1.44

Options :

86435197443. 1

86435197444. 2

86435197445. 3

86435197446. 4

Question Number : 45 Question Id : 86435128249 Question Type : MCQ Option Shuffling : No

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Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The percentage increase in the area of a rectangle, if each of its sides is increased by 20% is

1. 32%
2. 34%
3. 42%
4. 44%

Options :

86435197447. 1

86435197448. 2

86435197449. 3

86435197450. 4

Question Number : 46 Question Id : 86435128250 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The compressive strength of M-25 concrete is

1. 25 kg/sq. m
2. 25 N/sq. mm
3. 250 N/sq. mm
4. 2.5 N/sq. mm

Options :

86435197451. 1

86435197452. 2

86435197453. 3

86435197454. 4

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Question Number : 47 Question Id : 86435128251 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Star rating of air conditioners are determined by its

1. power consumption
2. energy efficiency Ratio
3. cooling capacity
4. power of compressor

Options :

86435197455. 1

86435197456. 2

86435197457. 3

86435197458. 4

Question Number : 48 Question Id : 86435128252 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In 2021, UNESCO announced that two Indian sites are inscribed into the World Heritage Site. Which of the following is one of them?

1. Bhimbetka rock shelters, Raisen
2. Kakatiya Rudreshwara Ramappa Temple at Palampet, Warangal, Telangana
3. Champaner-Pavagadh Archaeological Park, Gujarat
4. Elephanta Caves, Gharapuri, Maharashtra

Options :

86435197459. 1

86435197460. 2

86435197461. 3

86435197462. 4

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Question Number : 49 Question Id : 86435128253 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Government of India's urban development program 'HRIDAY' stands for

1. Heritage Rejuvenation Implementation Development Aayog Yojana
2. Heritage Review Implementation Development Augmentation Yojana
3. Heritage City Development and Augmentation Yojana
4. Heritage City Improvement and Development Aawas Yojana

Options :

86435197463. 1

86435197464. 2

86435197465. 3

86435197466. 4

Question Number : 50 Question Id : 86435128254 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a Building Information Modeling software tool?

1. ESRI ArcGIS
2. Bentley Microstation
3. Autodesk Revit
4. Graphisoft ARCHICAD

Options :

86435197467. 1

86435197468. 2

86435197469. 3

86435197470. 4

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Question Number : 51 Question Id : 86435128255 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Drainage basin is also called as

1. watershed
2. runoff area
3. water pond
4. wetland

Options :

86435197471. 1

86435197472. 2

86435197473. 3

86435197474. 4

Question Number : 52 Question Id : 86435128256 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

PMGSY is a programme of Government of India that works on

1. urban employment generation
2. rural employment generation
3. rural electrification
4. rural road development

Options :

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86435197475. 1

86435197476. 2

86435197477. 3

86435197478. 4

Question Number : 53 Question Id : 86435128257 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Dead spots are points where

1. sound is heard louder
2. sound is inaudible
3. pitch changes
4. wave front of sound faces a barrier

Options :

86435197479. 1

86435197480. 2

86435197481. 3

86435197482. 4

Question Number : 54 Question Id : 86435128258 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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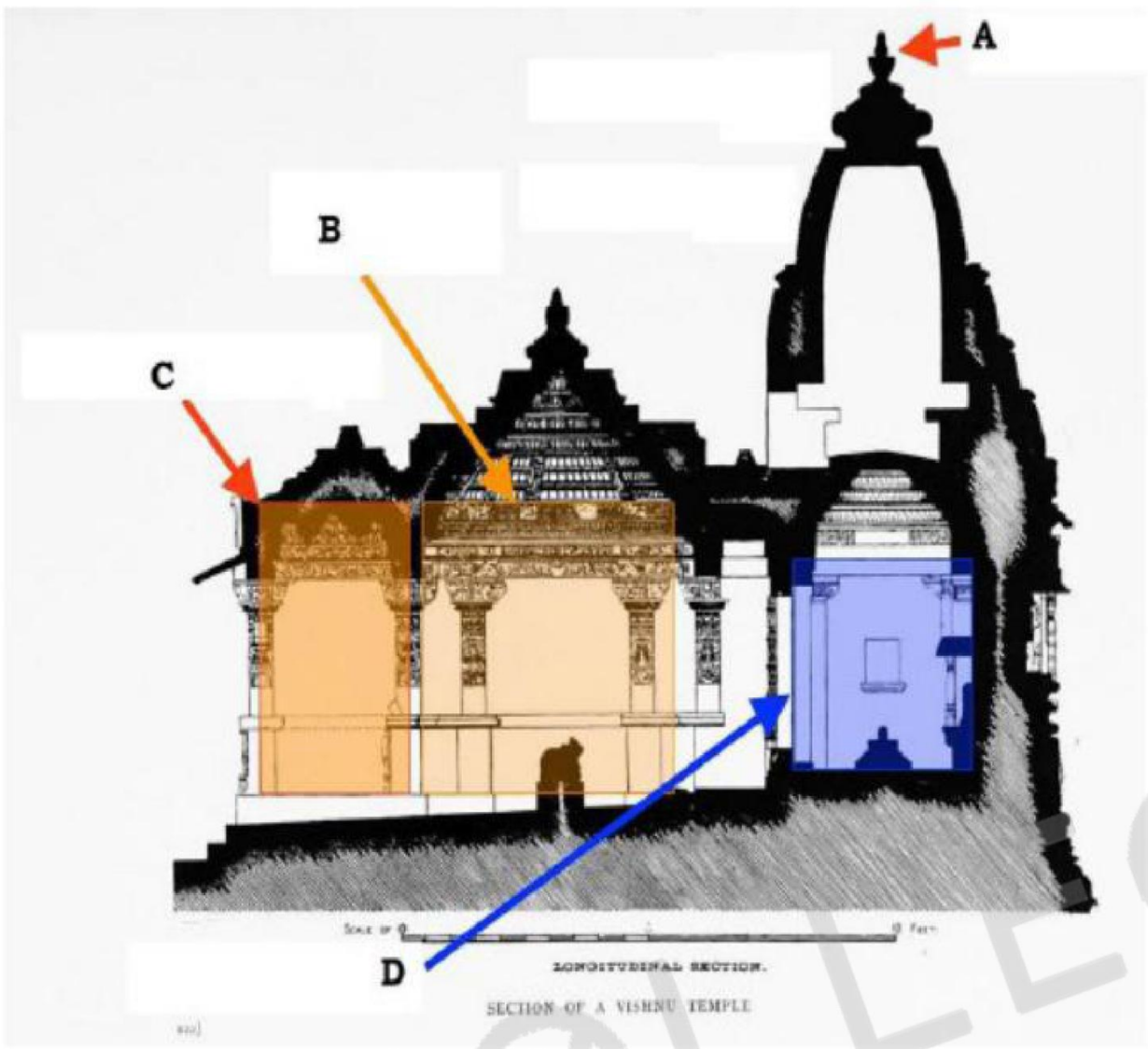
In the following section of a Vishnu Temple, match A, B, C, D with their names :

(a) Shikhara, (b) Kalasha, (c) Mandapa, (d)Ardhamandapa and (e) Garbhagriha



1. A–b, B–c, C–a, D–d
2. A–a, B–b, C–c, D–e
3. A–b, B–c, C–d, D–e
4. A–e, B–d, C–a, D–b

Options :

86435197483. 1

86435197484. 2

86435197485. 3

86435197486. 4

Question Number : 55 Question Id : 86435128259 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

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A _____ project is one that carries constraints related to the current state of the site. In these projects, the site might be contaminated or may have existing structures that architects must tear down or modify in some way before the project can move forward.

1. Greenfield
2. Bottleneck
3. Blackfield
4. Brownfield

Options :

86435197487. 1

86435197488. 2

86435197489. 3

86435197490. 4

Question Number : 56 Question Id : 86435128260 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The most important environmental benefit of using salvaged demolition waste in a project is

1. higher material strength
2. lower material cost
3. increased local economy
4. reduced demand of new resources

Options :

86435197491. 1

86435197492. 2

86435197493. 3

86435197494. 4

Question Number : 57 Question Id : 86435128261 Question Type : MCQ Option Shuffling : No

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Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is NOT a cooling process?

1. Evapotranspiration
2. Evaporation
3. Perspiration
4. Convection

Options :

86435197495. 1

86435197496. 2

86435197497. 3

86435197498. 4

Question Number : 58 Question Id : 86435128262 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The sustainable development goals (SDGs) were set up in 2015 by the United Nations General Assembly and are intended to be achieved by the year

1. 2030
2. 2040
3. 2050
4. 2060

Options :

86435197499. 1

86435197500. 2

86435197501. 3

86435197502. 4

Question Number : 59 Question Id : 86435128263 Question Type : MCQ Option Shuffling : No

ZOLLEGE.in

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Presence of moisture in the thermal insulating material _____ thermal insulation. The presence of air spaces _____ thermal insulation.

1. increases, increases
2. increases, decreases
3. decreases, decreases
4. decreases, increases

Options :

86435197503. 1

86435197504. 2

86435197505. 3

86435197506. 4

Question Number : 60 Question Id : 86435128264 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In most Indian mainland cities, in winter air-conditioning we try to _____ and _____ the air.

1. warm, humidify
2. cool, humidify
3. warm, dehumidify
4. cool, dehumidify

Options :

86435197507. 1

86435197508. 2

86435197509. 3

86435197510. 4

ZOLLEGE.in

Question Number : 61 Question Id : 86435128265 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Latent heat is measured in

1. degrees Celsius, Fahrenheit and Kelvin
2. international system of units
3. kJ/ kg
4. Board of Trade Unit

Options :

86435197511. 1

86435197512. 2

86435197513. 3

86435197514. 4

Question Number : 62 Question Id : 86435128266 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The instrument used to measure humidity in the built environment is

1. barometer
2. thermometer
3. psychometer
4. spring meter

Options :

86435197515. 1

86435197516. 2

86435197517. 3

86435197518. 4

ZOLLEGE.in

Question Number : 63 Question Id : 86435128267 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Carbon footprint can be measured by

1. carbon dating
2. instruments
3. carbon accounting
4. CO_2 levels in the ambient air

Options :

86435197519. 1

86435197520. 2

86435197521. 3

86435197522. 4

Question Number : 64 Question Id : 86435128268 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A stair turning through two right angles is known as a _____ stair.

1. quarter-turn
2. half turn
3. dog-legged
4. open newel

Options :

86435197523. 1

86435197524. 2

86435197525. 3

86435197526. 4

Question Number : 65 Question Id : 86435128269 Question Type : MCQ Option Shuffling : No

ZOLLEGE.in

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A waste collection system consisting of two bins is to be provided outside a 20-storied residential building with 2 flats/floor (average family size = 5) and with each bin serving one flat on each floor. Average quantity of waste is 880 g/person/ day and density of waste is 240 kg/m^3. If the cleaning interval is two days, then the minimum size of the bin (in litre) is

1. 730 to 740
2. 630 to 640
3. 530 to 540
4. 430 to 440

Options :

86435197527. 1

86435197528. 2

86435197529. 3

86435197530. 4

Question Number : 66 Question Id : 86435128270 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Total land area for a plotted housing development project is 50.0 hectare, of which, area under community facilities, common open spaces and roads are 9%, 10% and 16% respectively. Total number of saleable plots of 250 m^2 each will be

1. 1100
2. 1300
3. 1500
4. 1700

Options :

86435197531. 1

86435197532. 2

86435197533. 3

ZOLLEGE.in

86435197534. 4

Question Number : 67 Question Id : 86435128271 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The sequence of development in a site-and-services scheme is

1. Land – Service – House – Occupant
2. Occupant – Land – House – Service
3. Occupant – Land – Service – House
4. Land – Occupant – House – Service

Options :

86435197535. 1

86435197536. 2

86435197537. 3

86435197538. 4

Question Number : 68 Question Id : 86435128272 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Two design options of a school building on a 10.0 hectare site are being compared for builtup area. In option –1 floor-to-floor height is 3.6 m and option –2 has 4.5 m. If the maximum allowable building height is 45 m with same ground coverage for both options, the additional built-up area achievable in option A over option B is _____ percent.

1. 10
2. 20
3. 30
4. 40

Options :

86435197539. 1

86435197540. 2

ZOLLEGE.in

86435197541. 3

86435197542. 4

Question Number : 69 Question Id : 86435128273 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____is the rate of transfer of heat through matter.

1. Thermal transmittance
2. Thermal resistance
3. Thermal conductivity
4. Thermal capacity

Options :

86435197543. 1

86435197544. 2

86435197545. 3

86435197546. 4

Question Number : 70 Question Id : 86435128274 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____ occurs when the air in a space is changed with outdoor air without the use mechanical systems, such as a fan.

1. Mechanical ventilation
2. Stack effect ventilation
3. Wind effect ventilation
4. Natural ventilation

Options :

86435197547. 1

86435197548. 2

86435197549. 3

ZOLLEGE.in

86435197550. 4

Question Number : 71 Question Id : 86435128275 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____ is an important aspect in the acoustic design of an auditorium and it involves geometrical aspects of the indoor space.

1. Site selection
2. Seating arrangement
3. Shape
4. Sound absorption

Options :

86435197551. 1

86435197552. 2

86435197553. 3

86435197554. 4

Question Number : 72 Question Id : 86435128276 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In the northern hemisphere, to absorb as much sunlight as possible, passive solar buildings must be oriented so their windows are facing

1. North
2. South
3. East
4. West

Options :

86435197555. 1

86435197556. 2

86435197557. 3

ZOLLEGE.in

86435197558. 4

Question Number : 73 Question Id : 86435128277 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The concentric circles in a solar chart represent

1. azimuth angle
2. altitude angle
3. horizontal shadow angle
4. vertical shadow angle

Options :

86435197559. 1

86435197560. 2

86435197561. 3

86435197562. 4

Question Number : 74 Question Id : 86435128278 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The water consumption of a residential apartment building with 60 dwelling units having an average household size of 5 persons is 135 lpcd. Assuming 80% of the total use is met with recycled water supply, the daily domestic demand for the building is _____ litres.

1. 8100
2. 16200
3. 4050
4. 32400

Options :

86435197563. 1

86435197564. 2

ZOLLEGE.in

86435197565. 3

86435197566. 4

Question Number : 75 Question Id : 86435128279 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Particles of soil in descending order of grain size is

1. Gravel – Sand – Silt – Clay
2. Gravel – Sand – Clay – Silt
3. Sand – Gravel – Clay – Silt
4. Clay – Gravel – Sand – Silt

Options :

86435197567. 1

86435197568. 2

86435197569. 3

86435197570. 4

Question Number : 76 Question Id : 86435128280 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Statue of Unity in India is the world's tallest statue of

1. M. K. Gandhi
2. Sardar Vallabhbhai Patel
3. Vinoba Bhave
4. Dr. B. R. Ambedkar

Options :

86435197571. 1

86435197572. 2

86435197573. 3

ZOLLEGE.in

86435197574. 4

Question Number : 77 Question Id : 86435128281 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____ was named by the Royal Institute of British Architects (RIBA) as 'India's greatest architect' in 1984.

1. Charles Correa
2. Achyut Kanvinde
3. Raj Rewal
4. B. V. Doshi

Options :

86435197575. 1

86435197576. 2

86435197577. 3

86435197578. 4

Question Number : 78 Question Id : 86435128282 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is not a component of water supply system?

1. Washbasin
2. Water supply and distribution pipes
3. Valves
4. Storage tanks

Options :

86435197579. 1

86435197580. 2

86435197581. 3

ZOLLEGE.in

86435197582. 4

Question Number : 79 Question Id : 86435128283 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The term 'working head' in context of water supply system means

1. height of a body of water falling freely under the force of gravity to acquire a certain velocity
2. rate of increase of velocity with respect to distance normal to the direction of flow
3. total head with deduction for velocity head or losses
4. difference between supply and delivery water level

Options :

86435197583. 1

86435197584. 2

86435197585. 3

86435197586. 4

Question Number : 80 Question Id : 86435128284 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

State the right option representing strategic components arranged in ascending order of specified minimum area under Smart City Mission of Government of India.

1. Greenfield development – Redevelopment – Retrofitting
2. Redevelopment – Greenfield development – Retrofitting
3. Retrofitting – Redevelopment – Greenfield development
4. Redevelopment – Retrofitting – Greenfield development

Options :

86435197587. 1

ZOLLEGE.in

86435197588. 2

86435197589. 3

86435197590. 4

Question Number : 81 Question Id : 86435128285 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following processes is NOT used for corrosion resistance of cast iron?

1. Painting
2. Epoxy coating
3. Quenching
4. Galvanizing

Options :

86435197591. 1

86435197592. 2

86435197593. 3

86435197594. 4

Question Number : 82 Question Id : 86435128286 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The purpose of _____ mission is to (i) ensure that every household has access to a tap with assured supply of water and a sewerage connection, (ii) increase the amenity value of cities by developing greenery and well-maintained open spaces, e.g., parks and (iii) reduce pollution by switching to public transport or constructing facilities for non-motorized transport, e.g., walking and cycling.

1. HRIDAY
2. IAY
3. AMRUT
4. PMGKY

ZOLLEGE.in

Options :

86435197595. 1

86435197596. 2

86435197597. 3

86435197598. 4

Question Number : 83 Question Id : 86435128287 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The scheduling technique of construction management, in which the whole project is divided into major groups and subdivided into tasks and subtasks, is called

1. Gantt chart
2. Work break down
3. Milestone chart
4. Line of balance

Options :

86435197599. 1

86435197600. 2

86435197601. 3

86435197602. 4

Question Number : 84 Question Id : 86435128288 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Aranya housing project of Indore was designed by

1. B. V. Doshi
2. Charles Correa
3. Hafeez Contractor
4. Achyut Kanvinde

Options :

ZOLLEGE.in

86435197603. 1

86435197604. 2

86435197605. 3

86435197606. 4

Question Number : 85 Question Id : 86435128289 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The primary concept of work triangle in a kitchen is based on

1. privacy
2. proximity
3. hygiene
4. safety

Options :

86435197607. 1

86435197608. 2

86435197609. 3

86435197610. 4

Question Number : 86 Question Id : 86435128290 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What is the ampere of the switch that is required to fit a 1.5 ton air conditioner?

1. 5 A
2. 10 A
3. 15 A
4. 20 A

Options :

86435197611. 1

86435197612. 2

ZOLLEGE.in

86435197613. 3

86435197614. 4

Question Number : 87 Question Id : 86435128291 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The sum of all the energy required to produce any goods or services is

1. essential energy
2. carrying capacity
3. embodied energy
4. latent energy

Options :

86435197615. 1

86435197616. 2

86435197617. 3

86435197618. 4

Question Number : 88 Question Id : 86435128292 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Chaitya hall of Buddhist architecture was used for

1. prayer
2. dining
3. sleeping
4. recreation

Options :

86435197619. 1

86435197620. 2

86435197621. 3

86435197622. 4

ZOLLEGE.in

Question Number : 89 Question Id : 86435128293 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The unit of loudness is

1. phon
2. hertz
3. sone
4. decibel

Options :

86435197623. 1

86435197624. 2

86435197625. 3

86435197626. 4

Question Number : 90 Question Id : 86435128294 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The radiant efficiency of the luminous source depends on

1. the shape of the source
2. the temperature of the source
3. the wavelength of the light rays
4. the colour of the source

Options :

86435197627. 1

86435197628. 2

86435197629. 3

86435197630. 4

ZOLLEGE.in

Question Number : 91 Question Id : 86435128295 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Equitable use, flexibility in use and tolerance for error are the principles of

1. barrier free design
2. proxemics
3. universal design
4. territoriality

Options :

86435197631. 1

86435197632. 2

86435197633. 3

86435197634. 4

Question Number : 92 Question Id : 86435128296 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The practice of clipping trees and shrubs into ornamental shapes is

1. topiary
2. shrubbery
3. parterre
4. hedge

Options :

86435197635. 1

86435197636. 2

86435197637. 3

ZOLLEGE.in

86435197638. 4

Question Number : 93 Question Id : 86435128297 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The type of brick masonry in which the alternate courses of headers and stretchers are distinctly seen is

1. English bond
2. Flemish bond
3. Rat Trap bond
4. Spanish bond

Options :

86435197639. 1

86435197640. 2

86435197641. 3

86435197642. 4

Question Number : 94 Question Id : 86435128298 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The windows provided above the eye level are called

1. casement
2. transom
3. picture
4. clerestory

Options :

86435197643. 1

86435197644. 2

86435197645. 3

ZOLLEGE.in

86435197646. 4

Question Number : 95 Question Id : 86435128299 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The trap provided outside the building before connecting to the public sewerage line is

1. nahni trap
2. gully trap
3. intercepting trap
4. bottle trap

Options :

86435197647. 1

86435197648. 2

86435197649. 3

86435197650. 4

Question Number : 96 Question Id : 86435128300 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Upon disruption, an ecosystem regains its balance with the help of regulatory mechanisms. This tendency is known as

1. entropy
2. succession
3. evolution
4. homeostasis

Options :

86435197651. 1

86435197652. 2

ZOLLEGE.in

86435197653. 3

86435197654. 4

Question Number : 97 Question Id : 86435128301 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Surge tanks are used

1. for storage water
2. to increase the velocity in a pipeline
3. as overflow valves
4. to guard against water hammer

Options :

86435197655. 1

86435197656. 2

86435197657. 3

86435197658. 4

Question Number : 98 Question Id : 86435128302 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The optimum reverberation time for speech is _____ second/seconds.

1. 1.0
2. 1.2
3. 1.5
4. 2.0

Options :

86435197659. 1

86435197660. 2

86435197661. 3

ZOLLEGE.in

86435197662. 4

Question Number : 99 Question Id : 86435128303 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The shear walls are provided in tall buildings to withstand

1. dead load
2. lateral load
3. tangent load
4. live load

Options :

86435197663. 1

86435197664. 2

86435197665. 3

86435197666. 4

Question Number : 100 Question Id : 86435128304 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Internal rate of return is

1. rate at which discounted cash inflow is more than discounted cash outflow
2. rate at which discounted cash inflow is less than discounted cash outflow
3. rate at which discounted cash inflow is equal to the discounted cash outflow
4. rate at which discounted cash inflow is equal to project future value

Options :

86435197667. 1

86435197668. 2

ZOLLEGE.in

86435197669. 3

86435197670. 4

ZOLLEGE.in