

National Testing Agency

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| Question Paper Name : | PGQP19 16th Sept 2021 Shift 1 |
| Subject Name : | PGQP19 |
| Creation Date : | 2021-09-16 14:44:26 |
| Duration : | 120 |
| Total Marks : | 400 |
| Display Marks: | Yes |

PGQP19

| | |
|--------------------------------------|-----------|
| Group Number : | 1 |
| Group Id : | 864351310 |
| 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 : | 8643511162 |
| Section Number : | 1 |
| Section type : | Online |

| | |
|--------------------------------|-----------|
| Mandatory or Optional : | Mandatory |
|--------------------------------|-----------|

| | |
|--|------------|
| 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 : | 8643511395 |
| Question Shuffling Allowed : | Yes |

Question Number : 1 Question Id : 86435126705 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Select the correct word that can best complete the given sentence :

Marriages between members of extended family were _____ to strengthen the ties of relationship.

1. mentioned
2. promoted
3. indulged
4. performed

Options :

86435191271. 1

86435191272. 2

86435191273. 3

86435191274. 4

Question Number : 2 Question Id : 86435126706 Question Type : MCQ Option Shuffling : No Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

From the choices given below, select the pair which exhibits the same relationship as the one in capitalized pair of words :

SOLDIER : REGIMENT

1. clown : circus
2. actor : troupe
3. dancer : ballet
4. instrument : musician

Options :

86435191275. 1

86435191276. 2

86435191277. 3

86435191278. 4

Question Number : 3 Question Id : 86435126707 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is correctly spelt?

1. Surrupitious
2. Surepptitious
3. Surrepcitious
4. Surreptitious

Options :

86435191279. 1

86435191280. 2

86435191281. 3

86435191282. 4

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is nearest in meaning to the word '**EDIFY**'?

1. Instruct
2. Satisfy
3. Amuse
4. Consume

Options :

86435191283. 1

86435191284. 2

86435191285. 3

86435191286. 4

Question Number : 5 Question Id : 86435126709 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

There was nobody to attend _____ the complaints of the passengers.

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

Options :

86435191287. 1

86435191288. 2

86435191289. 3

86435191290. 4

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A post without remuneration is known as

1. voluntary
2. sinecure
3. sincere
4. honorary

Options :

86435191291. 1

86435191292. 2

86435191293. 3

86435191294. 4

Question Number : 7 Question Id : 86435126711 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Select the most suitable antonym :

EXPEDITION

1. Silence
2. Explanation
3. Undertaking
4. Delay

Options :

86435191295. 1

86435191296. 2

86435191297. 3

86435191298. 4

Question Number : 8 Question Id : 86435126712 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Fill in the blanks with right words :

Lakshman was initially _____ at the suggestion but later started _____ it himself.

1. thrilled, negating
2. frowning, rejecting
3. impressed, negating
4. shocked, advocating

Options :

86435191299. 1

86435191300. 2

86435191301. 3

86435191302. 4

Question Number : 9 Question Id : 86435126713 Question Type : MCQ Option Shuffling : No Is

Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Identify the meaning of the idiom from the options given :

Miss the boat

1. let too much time go by to complete a task
2. long for something that you don't have
3. miss out on an opportunity
4. not know the difference between right and wrong

Options :

86435191303. 1

86435191304. 2

86435191306. 4

Question Number : 10 Question Id : 86435126714 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

These grapes _____ sour.

1. are testing
2. tasted
3. taste
4. have tested

Options :

86435191307. 1

86435191308. 2

86435191309. 3

86435191310. 4

Question Number : 11 Question Id : 86435126715 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

In a certain code THRIVES is written as SIUHRDU. How is SOULFUL written in that code?

1. VPTKKTE
2. VPTKETK
3. TPVKKTE
4. TNRKMVG

Options :

86435191311. 1

86435191312. 2

86435191314. 4

Question Number : 12 Question Id : 86435126716 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What will come in place of the question mark (?) in the expression?

$$1050 \div 25 \times 51 - 1942 = ?$$

1. 152

2. 200

3. 252

4. 300

Options :

86435191315. 1

86435191316. 2

86435191317. 3

86435191318. 4

Question Number : 13 Question Id : 86435126717 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

There are five statues L, M, N, O and P each of them having different height. Statue L is smaller than only statue M. Statue O is smaller than statue N. Statue O is longer than statue P. The height of the tallest statue is 20 feet. The height of the second smallest statue is 11 feet. What will be the height of statue P?

1. 9 feet

2. 12 feet

3. 13 feet

4. 15 feet

Options :

86435191320. 2

86435191321. 3

86435191322. 4

Question Number : 14 Question Id : 86435126718 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Ashok started walking towards South. After walking 50 meters he took a right turn and walked 30 meters. He then took a right turn and walked 100 meters. He again took a right turn and walked 30 meters and stopped. How far he from the starting point?

1. 180 meters
2. 150 meters
3. 50 meters
4. None of these

Options :

86435191323. 1

86435191324. 2

86435191325. 3

86435191326. 4

Question Number : 15 Question Id : 86435126719 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The number, whose square is equal to the difference of the squares of the numbers 68 and 32, is

1. 36
2. 48
3. 60
4. 64

86435191327. 1

86435191328. 2

86435191329. 3

86435191330. 4

**Question Number : 16 Question Id : 86435126720 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which one of the following is not a prime number?

1. 31

2. 61

3. 71

4. 91

Options :

86435191331. 1

86435191332. 2

86435191333. 3

86435191334. 4

**Question Number : 17 Question Id : 86435126721 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

$1397 \times 1397 = ?$

1. 1981709

2. 1951609

3. 1836219

4. 1902179

Options :

86435191336. 2

86435191337. 3

86435191338. 4

Question Number : 18 Question Id : 86435126722 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What least number must be added to 1056, so that the sum is completely divisible by 23?

1. 21

2. 18

3. 3

4. 2

Options :

86435191339. 1

86435191340. 2

86435191341. 3

86435191342. 4

Question Number : 19 Question Id : 86435126723 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Choose the correct answer :

$$7845 - ? = 8461 - 3569$$

1. 2953

2. 2773

3. 3569

4. 2352

86435191343. 1

86435191344. 2

86435191345. 3

86435191346. 4

**Question Number : 20 Question Id : 86435126724 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which country is called the 'Land of Fiords' ?

1. Sweden
2. Italy
3. Norway
4. Singapore

Options :

86435191347. 1

86435191348. 2

86435191349. 3

86435191350. 4

**Question Number : 21 Question Id : 86435126725 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The biggest part of the brain is

1. cerebrum
2. spinal cord
3. cerebellum
4. brain stem

Options :

86435191352. 2

86435191353. 3

86435191354. 4

Question Number : 22 Question Id : 86435126726 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Name the person who was also known as 'Deshbandhu'.

1. S. Radhakrishnan
2. G. K. Gokhale
3. Chittaranjan Das
4. A. P. J. Abdul Kalam

Options :

86435191355. 1

86435191356. 2

86435191357. 3

86435191358. 4

Question Number : 23 Question Id : 86435126727 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Who is known as 'The Saint of Gutters'?

1. Baba Amte
2. Anna Hazare
3. Mother Teresa
4. None of these

Options :

86435191359. 1

86435191360. 2

86435191361. 3

86435191362. 4

Question Number : 24 Question Id : 86435126728 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Garampani Sanctuary is located at

1. Junagarh, Gujarat
2. Diphu, Assam
3. Kohima, Nagaland
4. Gangtok, Sikkim

Options :

86435191363. 1

86435191364. 2

86435191365. 3

86435191366. 4

Question Number : 25 Question Id : 86435126729 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The National Rural Health Mission has been launched in the country in _____.

1. 2003
2. 2005
3. 2007
4. 2009

Options :

86435191367. 1

86435191368. 2

Part B-Geology

| | |
|--|------------|
| Section Id : | 8643511163 |
| 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 : | 8643511396 |
| Question Shuffling Allowed : | Yes |

Question Number : 26 Question Id : 86435126730 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The geological term used for an episode of mountain building is

1. orogeny
2. craton
3. terrace
4. shield

Options :

86435191371. 1

86435191372. 2

86435191374. 4

Question Number : 27 Question Id : 86435126731 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The "ring of fire" refers to the location of earthquakes and volcanoes

1. along the rim of Pacific Ocean
2. on the Hawaiian Islands
3. along the mid-North Atlantic seafloor
4. surrounding the Indian Ocean

Options :

86435191375. 1

86435191376. 2

86435191377. 3

86435191378. 4

Question Number : 28 Question Id : 86435126732 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

If a beaker of seawater were left to evaporate and dry out, the minerals left present in the container would most likely be

1. biotite and quartz
2. gypsum and halite
3. fluorite and galena
4. calcite and chalcopryrite

Options :

86435191379. 1

86435191380. 2

86435191382. 4

Question Number : 29 Question Id : 86435126733 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The longest topographic feature on the earth is

1. Himalayan mountain range
2. Alps mountain range
3. interconnected ocean ridge system
4. Ganga river system

Options :

86435191383. 1

86435191384. 2

86435191385. 3

86435191386. 4

Question Number : 30 Question Id : 86435126734 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following soils will have the highest cation exchange capacity (CEC)?

1. A soil with a high silt and clay content
2. A soil with a high clay and humus content
3. A soil with a low clay and high humus content
4. A soil with a high sand and high humus content

Options :

86435191387. 1

86435191388. 2

86435191389. 3

86435191390. 4

Question Number : 31 Question Id : 86435126735 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following planets has the highest number of known natural satellite?

1. Mars
2. Venus
3. Uranus
4. Neptune

Options :

86435191391. 1

86435191392. 2

86435191393. 3

86435191394. 4

Question Number : 32 Question Id : 86435126736 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Arrange the elements He, Fe, H, O and Si in the increasing order of their abundance in the solar system.

1. $\text{Fe} < \text{Si} < \text{O} < \text{He} < \text{H}$
2. $\text{H} < \text{He} < \text{O} < \text{Si} < \text{Fe}$
3. $\text{Si} < \text{Fe} < \text{O} < \text{He} < \text{H}$
4. $\text{O} < \text{Fe} < \text{Si} < \text{He} < \text{H}$

Options :

86435191395. 1

86435191396. 2

86435191397. 3

Question Number : 33 Question Id : 86435126737 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Seamounts and the island chains in the oceans are formed due to

1. intraplate volcanic activity originated from the hotspots
2. the convergence of oceanic plate-oceanic plate boundaries
3. the frictional melting of oceanic lithosphere at conservative plate boundaries
4. the divergence of plate boundaries

Options :

86435191399. 1

86435191400. 2

86435191401. 3

86435191402. 4

Question Number : 34 Question Id : 86435126738 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Age of the present ocean floors are ranging from

1. 1500 – 4500 million years
2. 500 – 1500 million years
3. 0 – 500 million years
4. 0 – 200 million years

Options :

86435191403. 1

86435191404. 2

86435191405. 3

86435191406. 4

Question Number : 35 Question Id : 86435126739 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Isostasy model proposed by Airy's

1. consider as mountains have higher density than the oceanic crust
2. consider as mountains have lower density than the oceanic crust
3. consider as mountains have same density as the oceanic crust
4. does not consider the densities of mountain and oceanic crust

Options :

86435191407. 1

86435191408. 2

86435191409. 3

86435191410. 4

Question Number : 36 Question Id : 86435126740 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Most abundant element in the earth crust by volume is

1. oxygen
2. hydrogen
3. nitrogen
4. iron

Options :

86435191411. 1

86435191412. 2

86435191413. 3

86435191414. 4

Question Number : 37 Question Id : 86435126741 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The failed arm of a continental rifts is named as

1. horst
2. hotspot
3. aulacogen
4. island chain

Options :

86435191415. 1

86435191416. 2

86435191417. 3

86435191418. 4

Question Number : 38 Question Id : 86435126742 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Helpful Ozone layer is found in which level of the atmosphere?

1. Troposphere
2. Thermosphere
3. Mesosphere
4. Stratosphere

Options :

86435191419. 1

86435191420. 2

86435191421. 3

86435191422. 4

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Thermohaline circulation in the ocean generally does not depend directly upon the

1. density
2. salinity
3. temperature
4. magnetic field

Options :

86435191423. 1

86435191424. 2

86435191425. 3

86435191426. 4

Question Number : 40 Question Id : 86435126744 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

One of the erosional landform developed due to glacier is

1. cirque
2. moraine
3. esker
4. kame

Options :

86435191427. 1

86435191428. 2

86435191429. 3

86435191430. 4

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Triple junctions are the points where

1. three continents meet
2. three plates meet
3. continental crust, oceanic crust and mantle meet
4. three trajectories of the hotspots meet

Options :

86435191431. 1

86435191432. 2

86435191433. 3

86435191434. 4

Question Number : 42 Question Id : 86435126746 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is in the process of formation of new ocean basin, according to Wilson Cycle?

1. Caspian Sea
2. Dead Sea
3. Red Sea
4. Black Sea

Options :

86435191435. 1

86435191436. 2

86435191437. 3

86435191438. 4

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

What are the three components of the stream power equation?

1. Stream discharge, river width and river depth
2. Channel slope, river width and mean annual precipitation
3. Hydraulic radius, channel slope and dissolved oxygen levels
4. Stream discharge, channel slope and water density

Options :

86435191439. 1

86435191440. 2

86435191441. 3

86435191442. 4

Question Number : 44 Question Id : 86435126748 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Karst topography is associated with

1. glacial erosion
2. stream erosion
3. groundwater erosion
4. waves and current erosion

Options :

86435191443. 1

86435191444. 2

86435191445. 3

86435191446. 4

Question Number : 45 Question Id : 86435126749 Question Type : MCQ Option Shuffling : No

Correct Marks : 4 Wrong Marks : 1

The layer of the earth that is broken up into 12 large and many small rigid plates is called

1. lithosphere
2. mantle
3. asthenosphere
4. outer core

Options :

86435191447. 1

86435191448. 2

86435191449. 3

86435191450. 4

Question Number : 46 Question Id : 86435126750 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A mountain experiences a constant rate of uplift of 1.5 meter per 1000 years. At the same time, the mountain's height is also changed by erosion at a rate of 2.6 meter per 1000 years. What will be the long-term effect on the height of the mountain?

1. It will increase
2. It will decrease
3. It will increase and then decrease
4. It will decrease and then increase

Options :

86435191451. 1

86435191452. 2

86435191453. 3

86435191454. 4

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Lonar lake is a

1. volcanic crater
2. meteoric impact crater
3. karst lake
4. glacial depression

Options :

86435191455. 1

86435191456. 2

86435191457. 3

86435191458. 4

Question Number : 48 Question Id : 86435126752 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

_____ are short periods of time that are determined from palaeomagnetic information.

1. Chrons
2. Series
3. System
4. Stages

Options :

86435191459. 1

86435191460. 2

86435191461. 3

86435191462. 4

Question Number : 49 Question Id : 86435126753 Question Type : MCQ Option Shuffling : No

Correct Marks : 4 Wrong Marks : 1

A zone consisting of all the strata deposited during the existence of a zonal organism is called

1. biozone
2. overlap zone
3. abundance zone
4. barren zone

Options :

86435191463. 1

86435191464. 2

86435191465. 3

86435191466. 4

Question Number : 50 Question Id : 86435126754 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Foraminifera made their first appearance in the

1. Permian period
2. Devonian period
3. Cambrian period
4. Carboniferous period

Options :

86435191467. 1

86435191468. 2

86435191469. 3

86435191470. 4

Question Number : 51 Question Id : 86435126755 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Amphibian originated in

1. Silurian period
2. Devonian period
3. Carboniferous period
4. Cambrian period

Options :

86435191471. 1

86435191472. 2

86435191473. 3

86435191474. 4

Question Number : 52 Question Id : 86435126756 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Archaeopteryx fossil indicates which of the following geological time scales?

1. Permian
2. Triassic
3. Jurassic
4. Cretaceous

Options :

86435191475. 1

86435191476. 2

86435191477. 3

86435191478. 4

Question Number : 53 Question Id : 86435126757 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

The bio-stratigraphic correlation involves

1. only the stage of evolution of fauna and faunal resemblance
2. only guide fossils
3. only the position in a bio-stratigraphic sequence
4. All of the above

Options :

86435191479. 1

86435191480. 2

86435191481. 3

86435191482. 4

**Question Number : 54 Question Id : 86435126758 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

The Jura mountain from which the term 'Jurassic' system is derived, found in

1. Germany
2. Switzerland
3. England
4. Russia

Options :

86435191483. 1

86435191484. 2

86435191485. 3

86435191486. 4

**Question Number : 55 Question Id : 86435126759 Question Type : MCQ Option Shuffling : No
Is Question Mandatory : No**

Correct Marks : 4 Wrong Marks : 1

Which of the following is the correct sequence of the Indian geological time scale?

1. Archean-Purana-Aryan-Dravidian groups
2. Dravidian-Archean-Purana-Aryan groups
3. Archean-Purana-Dravidian-Aryan groups
4. Archean-Aryan-Purana-Dravidian groups

Options :

86435191487. 1

86435191488. 2

86435191489. 3

86435191490. 4

Question Number : 56 Question Id : 86435126760 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The Bijli Rhyolite belongs to

1. Khairagarh group
2. Nandgaon group
3. Sakoli group
4. Sansar group

Options :

86435191491. 1

86435191492. 2

86435191493. 3

86435191494. 4

Question Number : 57 Question Id : 86435126761 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Which of the following is the oldest formation?

1. Kasauli formation
2. Subathu formation
3. Dagshai formation
4. Pinjor formation

Options :

86435191495. 1

86435191496. 2

86435191497. 3

86435191498. 4

Question Number : 58 Question Id : 86435126762 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Placer gold deposits are mostly _____ in nature.

1. eluvial
2. colluvial
3. aeolian
4. alluvial

Options :

86435191499. 1

86435191500. 2

86435191501. 3

86435191502. 4

Question Number : 59 Question Id : 86435126763 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Epigenetic ore deposits are those, which formed

1. before the host rock formation
2. in the same time as the host rock
3. later than host rock formation
4. No relation with host rock

Options :

86435191503. 1

86435191504. 2

86435191505. 3

86435191506. 4

Question Number : 60 Question Id : 86435126764 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Sulphide ore of mercury is

1. wurzite
2. orpiment
3. realgar
4. cinnabar

Options :

86435191507. 1

86435191508. 2

86435191509. 3

86435191510. 4

Question Number : 61 Question Id : 86435126765 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Gondite and Kodurite are

1. Mg deposits
2. Mn deposits
3. Mo deposits
4. Cu deposits

Options :

86435191511. 1

86435191512. 2

86435191513. 3

86435191514. 4

Question Number : 62 Question Id : 86435126766 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Rampura Agucha mines are famous for

1. Hg-Sn
2. Fe-Cu
3. Pb-Zn
4. Co-Ni

Options :

86435191515. 1

86435191516. 2

86435191517. 3

86435191518. 4

Question Number : 63 Question Id : 86435126767 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Polymetallic nodules are generally restricted to the

1. continental shelf
2. beach
3. deep ocean floor
4. continental slope

Options :

86435191519. 1

86435191520. 2

86435191521. 3

86435191522. 4

Question Number : 64 Question Id : 86435126768 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Tin and tungsten mineralization is commonly associated with

1. basalt
2. gabbro
3. dunite
4. granite

Options :

86435191523. 1

86435191524. 2

86435191525. 3

86435191526. 4

Question Number : 65 Question Id : 86435126769 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Muscovite is a

1. double chain silicate
2. framework silicate
3. sheet silicate
4. single chain silicate

Options :

86435191527. 1

86435191528. 2

86435191529. 3

86435191530. 4

Question Number : 66 Question Id : 86435126770 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Transition elements are uniquely suited to act as chromophores because they

1. contain electron in partially filled d-orbitals
2. are electrically neutral
3. are the most common elements in nature
4. are highly mobile in crystals

Options :

86435191531. 1

86435191532. 2

86435191533. 3

86435191534. 4

Question Number : 67 Question Id : 86435126771 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A zone in crystal is indicated as

1. (UVW)
2. $[UVW]$
3. $\{UVW\}$
4. $[U, V, W]$

Options :

86435191535. 1

86435191536. 2

86435191537. 3

86435191538. 4

Question Number : 68 Question Id : 86435126772 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Optic axis is defined as the direction or directions along which

1. there is a double refraction
2. there is no double refraction
3. the ordinary ray travels
4. the extra ordinary ray travels

Options :

86435191539. 1

86435191540. 2

86435191541. 3

86435191542. 4

Question Number : 69 Question Id : 86435126773 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Pyritohedron is the hemihedral form of

1. trisoctahedron
2. tetrahexahedron
3. trapezohedron
4. deltoid-dodecahedron

Options :

86435191543. 1

86435191544. 2

86435191545. 3

86435191546. 4

Question Number : 70 Question Id : 86435126774 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following is not a closed form?

1. Rhombohedron
2. Scalenohedron
3. Trapezohedron
4. First order prism

Options :

86435191547. 1

86435191548. 2

86435191549. 3

86435191550. 4

Question Number : 71 Question Id : 86435126775 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Mineral anorthite has

1. 5 axes of symmetry
2. 3 axes of symmetry
3. 1 axis of symmetry
4. No axis of symmetry

Options :

86435191551. 1

86435191552. 2

86435191553. 3

86435191554. 4

Question Number : 72 Question Id : 86435126776 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The 'Buchan Zones' described from the Northeast of Scotland consists of which of the following sequences in the order of increasing metamorphic grade?

1. Chlorite zone - Biotite zone - Garnet Zone - Staurolite zone - Kyanite zone - Sillimanite zone
2. Chlorite zone - Biotite zone - Staurolite zone - Garnet zone - Kyanite zone - Sillimanite zone
3. Chlorite zone - Biotite zone - Cordierite zone - Andalusite zone - Sillimanite zone
4. Chlorite zone - Cordierite zone - Biotite zone - Andalusite zone - Sillimanite zone

Options :

86435191555. 1

86435191556. 2

86435191557. 3

86435191558. 4

Question Number : 73 Question Id : 86435126777 Question Type : MCQ Option Shuffling : No

Correct Marks : 4 Wrong Marks : 1

Which of the following metamorphic rocks cannot form from shale?

1. Schist
2. Marble
3. Hornfels
4. Slate

Options :

86435191559. 1

86435191560. 2

86435191561. 3

86435191562. 4

Question Number : 74 Question Id : 86435126778 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following metamorphic rocks is not paired with its true parent rock?

1. Greenstone-basalt
2. Quartzite - quartz arenite
3. Schist - shale
4. Hornfels – dolomite

Options :

86435191563. 1

86435191564. 2

86435191565. 3

86435191566. 4

Question Number : 75 Question Id : 86435126779 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Foliation is

1. layering observed in sedimentary rocks
2. an alignment of any kind observed in any kind of rocks
3. an alignment of mineral grains in a metamorphic rock
4. layering of igneous rocks

Options :

86435191567. 1

86435191568. 2

86435191569. 3

86435191570. 4

Question Number : 76 Question Id : 86435126780 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A rock rich in garnet and pyroxene(Omphacite) that forms at extremely high pressures and moderate to high temperatures is called a/an _____ .

1. amphibolite
2. hornfels
3. granulite
4. eclogite

Options :

86435191571. 1

86435191572. 2

86435191573. 3

86435191574. 4

Question Number : 77 Question Id : 86435126781 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Out of thirty-two crystal classes only _____ classes have centre of symmetry.

1. 21
2. 11
3. 9
4. 13

Options :

86435191575. 1

86435191576. 2

86435191577. 3

86435191578. 4

Question Number : 78 Question Id : 86435126782 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Atoms of ^{16}O , ^{17}O , and ^{18}O have the same number of

1. protons, but a different number of electrons
2. electrons, but a different number of protons
3. protons, but a different number of neutrons
4. neutrons, but a different number of protons

Options :

86435191579. 1

86435191580. 2

86435191581. 3

86435191582. 4

Question Number : 79 Question Id : 86435126783 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The smallest particle of an element, which can take part in chemical reactions and may or may not exist independently is the

1. compound
2. neutron
3. atom
4. nucleus

Options :

86435191583. 1

86435191584. 2

86435191585. 3

86435191586. 4

Question Number : 80 Question Id : 86435126784 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The nucleus of an atom consists of 8 protons and 6 neutrons. The total number of electrons present in a neutral atom of this element is

1. 2
2. 6
3. 8
4. 14

Options :

86435191587. 1

86435191588. 2

86435191589. 3

86435191590. 4

Question Number : 81 Question Id : 86435126785 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Beta decay of ^{40}K leads to the formation of

1. ^{40}Ar
2. ^{40}Ca
3. ^{39}K
4. ^{39}Ar

Options :

86435191591. 1

86435191592. 2

86435191593. 3

86435191594. 4

Question Number : 82 Question Id : 86435126786 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Hydrolysis or a solution is a/an

1. substitute reaction between water ions and salt ions
2. substitute reaction between precipitates and solvents
3. exchange reaction between precipitates and water ions
4. exchange reaction between water ions and salt ions

Options :

86435191595. 1

86435191596. 2

86435191597. 3

86435191598. 4

Question Number : 83 Question Id : 86435126787 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Direct stress acts_____ to the surface of the body.

1. parallel
2. inclined
3. normal
4. oblique

Options :

86435191599. 1

86435191600. 2

86435191601. 3

86435191602. 4

Question Number : 84 Question Id : 86435126788 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

When a groundwater body is separated from the main groundwater by a relatively impermeable stratum of small extent it is called as

1. confined aquifer
2. unconfined aquifer
3. perched aquifer
4. pressure groundwater

Options :

86435191603. 1

86435191604. 2

86435191605. 3

86435191606. 4

Question Number : 85 Question Id : 86435126789 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

In which of the following are the limbs dipping away from each other?

1. Synform
2. Syncline
3. Anticlinal fan fold
4. Synclinal fan fold

Options :

86435191607. 1

86435191608. 2

86435191609. 3

86435191610. 4

Question Number : 86 Question Id : 86435126790 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Slaty cleavages are formed during

1. F1 folding
2. F2 folding
3. F3 folding
4. Undeformed state

Options :

86435191611. 1

86435191612. 2

86435191613. 3

86435191614. 4

Question Number : 87 Question Id : 86435126791 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Conjugate fold is

1. fold developed in many stages
2. fold in axial surface which dip towards each other
3. fold with variable axial surfaces
4. fold in which both the limbs are overturned

Options :

86435191615. 1

86435191616. 2

86435191617. 3

86435191618. 4

Question Number : 88 Question Id : 86435126792 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Strike joints are

1. vertical joints and have strikes parallel to the trend of the country rock
2. inclined joints and have strike parallel to the strike of the country rock
3. vertical joints and have strike perpendicular to the strike of the country rock
4. both vertical and inclined joints have strike parallel to the strike of the country rocks

Options :

86435191619. 1

86435191620. 2

86435191621. 3

86435191622. 4

Question Number : 89 Question Id : 86435126793 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Tear faults are a variety of

1. strike fault
2. dip fault
3. strike slip fault
4. dip slip fault

Options :

86435191623. 1

86435191624. 2

86435191625. 3

86435191626. 4

Question Number : 90 Question Id : 86435126794 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

When the two sets of beds separated by an unconformity are not parallel it is called as

1. angular unconformity
2. disconformity
3. non-conformity
4. heterolithic unconformity

Options :

86435191627. 1

86435191628. 2

86435191629. 3

86435191630. 4

Question Number : 91 Question Id : 86435126795 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Ophiolites are the parts of

1. continental lithosphere
2. oceanic lithosphere
3. asthenosphere
4. lower mantle

Options :

86435191631. 1

86435191632. 2

86435191633. 3

86435191634. 4

Question Number : 92 Question Id : 86435126796 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Nephelinite is composed of

1. Nepheline + Clinopyroxene + Feldspar
2. Nepheline + Clinopyroxene + Olivine
3. Nepheline + Olivine + Feldspar
4. Nepheline + Clinopyroxene + Orthopyroxene

Options :

86435191635. 1

86435191636. 2

86435191637. 3

86435191638. 4

Question Number : 93 Question Id : 86435126797 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

The volcanic equivalent of diorite is

1. trachyte
2. monzonite
3. andesite
4. syenite

Options :

86435191639. 1

86435191640. 2

86435191641. 3

86435191642. 4

Question Number : 94 Question Id : 86435126798 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Silica undersaturated basalt will evolved through trachyte and eventually formed

1. rhyolite
2. dacite
3. phonolite
4. granite

Options :

86435191643. 1

86435191644. 2

86435191645. 3

86435191646. 4

Question Number : 95 Question Id : 86435126799 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Cementation before compaction in sediments will result in

1. increase in porosity
2. decrease in grain to grain contact
3. increase in grain to grain contact
4. increase in permeability

Options :

86435191647. 1

86435191648. 2

86435191649. 3

86435191650. 4

Question Number : 96 Question Id : 86435126800 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Rocks having particles of gravel size is known as

1. arenaceous
2. rudaceous
3. argillaceous
4. calcareous

Options :

86435191651. 1

86435191652. 2

86435191653. 3

86435191654. 4

Question Number : 97 Question Id : 86435126801 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Saturated but poorly permeable stratum that restrict movement of groundwater is called

1. aquitard
2. aquiclude
3. aquifuge
4. aquifer

Options :

86435191655. 1

86435191656. 2

86435191657. 3

86435191658. 4

Question Number : 98 Question Id : 86435126802 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

A linear geological feature measures 5 cm in length on a geological map prepared in 1:50000 scale. What is the actual length of the feature in the field?

1. 5 cm
2. 25 m
3. 250 m
4. 2.5 km

Options :

86435191659. 1

86435191660. 2

86435191661. 3

86435191662. 4

Question Number : 99 Question Id : 86435126803 Question Type : MCQ Option Shuffling : No

Correct Marks : 4 Wrong Marks : 1

GPS is acronym for

1. Global Polar System
2. Global Polar Satellite
3. Global Positioning System
4. Global Positioning Satellite

Options :

86435191663. 1

86435191664. 2

86435191665. 3

86435191666. 4

Question Number : 100 Question Id : 86435126804 Question Type : MCQ Option Shuffling : No

Is Question Mandatory : No

Correct Marks : 4 Wrong Marks : 1

Which of the following processes is not a part of the digital image restoration procedure?

1. Correction for lost data
2. Atmospheric noise correction
3. Geometric correction
4. Spatial filtering

Options :

86435191667. 1

86435191668. 2

86435191669. 3

86435191670. 4