

PART-I

Paper Code

GS-1-A



306666



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GS-1-A

रोल नंबर अंतर्राष्ट्रीय अंकों में लिखें -
(1, 2, 3, 4, 5, 6, 7, 8, 9, 0)

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रोल नंबर शब्दों में लिखें.....

मीतिका / 7/12/2022

अभ्यर्थी द्वारा सावधानीपूर्वक भरा जाए।

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परीक्षा का माध्यम: हिन्दी अंग्रेजी

अभ्यर्थी के अनुक्रमांक एवं पहचान पत्र को प्रवेश पत्र से मिलान पश्चात् ही वीक्षक बॉक्स में हस्ताक्षर करें :

मीतिका

निम्नांकित भाग वीक्षक द्वारा ही भरा जाए।

यदि अभ्यर्थी अनुचित साधन का उपयोग करते हुए पाया जाता है तो वीक्षक निम्नांकित गोले को काले/नीले पेन से भरे एवं तत्काल केन्द्राध्यक्ष को सूचित करें :

(केन्द्राध्यक्ष के हस्ताक्षर एवं सील परीक्षा भवन में)

नोट:- अभ्यर्थी अगले पृष्ठ पर अंकित परीक्षा संबंधी महत्वपूर्ण निर्देशों को पढ़कर अनिवार्यतः पालन करें।

प्रश्न 1. इस प्रश्न में 3 अंकों के प्रश्न हैं। प्रत्येक प्रश्न 03 (तीन) अंकों का है।
Que. 1 This question contains 15 very short answer type sub-questions. Answer in 3 lines. All questions are compulsory. Each question carries 03 (Three) Marks.

प्रश्न: (1.1)

उत्तर:

प्रश्न: (1.2)

उत्तर:

Cultural dimension perceived as a ~~strong~~ environment ~~viewing~~ ~~organism~~ It does not allow deforestation & environment degradation

प्रश्न: (1.3)

उत्तर:

Environmental ethics is moral and ethical relationship between human & towards environment

प्रश्न: (1.4)

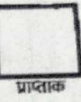
उत्तर:

According to United Nation Environment Summit 1992 - "Biodiversity is the collection of various organisms from all sources" It defines Human - animal mutual dependence

प्रश्न: (1.5)

उत्तर:

① Environment degrading with the development rapidly ② Environmental species also going to extinct ^{due to} natural cycle disturbing.



प्रश्न: (1.6)

उत्तर:

On the Conference of Parties 26 of Glasgow
Life programme has been launched, Green
India Mission under NACP.

प्रश्न: (1.7)

उत्तर:

Geoengineering, Carbon sequestration into
geography, oceans & copy of volcanic

प्रश्न: (1.8)

उत्तर:

Eco-friendly technologies are those not going to
harm environment. The product will be
recyclable, reusable, etc

प्रश्न: (1.9)

उत्तर:

Energy conservation Building code (ECBC) is
to enhance energy efficiency & to make
building flexible towards less energy use

प्रश्न: (1.10)

उत्तर:

fossil fuels are made up of animals, plants
consist coal, petroleum but natural gas is
found on upper layers gasoline made up of marine
animals.

प्रश्न 1. इस प्रश्न में 15 अति लघुत्तरात्मक प्रश्न हैं। प्रत्येक प्रश्न 03 (तीन) अंकों का है।
This question contains 15 very short answer type sub-questions. Answer each question in ideal 10 words/one line. All questions are compulsory. Each question carries 03 (Three) Marks.

प्रश्न: (1.11)

उत्तर: Geological time scale starts from Palaeozoic era (480000) ago to till now Cretaceous era. It complete study of earth's geology period.

प्रश्न: (1.12)

उत्तर:

प्रश्न: (1.13)

उत्तर:

प्रश्न: (1.14)

उत्तर:

Hydrosphere is part of Biosphere i.e. without it living organism not possible. No natural hydrological cycle will take place.

प्रश्न: (1.15)

उत्तर:

प्रश्न: 2.

इस प्रश्न में 10 लघु उत्तरीय उप-प्रश्न है। प्रत्येक प्रश्न के उत्तर हेतु आदर्श शब्द सीमा 50 शब्द/ 5 से 6 पंक्तियाँ होगी। सभी प्रश्न अनिवार्य हैं। प्रश्न में आंतरिक विकल्प भी हो सकता है। अभ्यर्थी जिस आंतरिक विकल्प का उत्तर दे रहे हैं उसका स्पष्ट उल्लेख उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 5 (पाँच) अंकों का है।

Que.2

This question contains 10 short answer type sub-questions. Answer each question in ideal 50 words/5 to 6 lines. All questions are compulsory. Internal choice can be given in the question. The candidate has to explicitly indicate the option chosen. Each question carries 5 (Five) marks.

10x5=50

प्रश्न: (2.1)

पू./म = 05



उत्तर:

There is pace between environment & growth. effect of human activities :-

→ Green house gases increasing that resulting into global warming
effect → Melting of ice caps resulting into extreme heatwaves, floods
 → Natural cycle is disturbing result into extinct of species. We are tending to sixth annihilation.

प्रश्न: (2.2)

पू./म = 05



प्राप्तिक

उत्तर:

प्रश्न: 2.
Que.2

इस प्रश्न में 10 लघु उत्तरीय उप-प्रश्न हैं। प्रत्येक प्रश्न में एक विकल्प भी हो सकता है। अथवा प्रश्न सभी प्रश्न अनिवार्य हैं। प्रश्न में आंतरिक विकल्प भी हो सकता है। अथवा प्रश्न उसका स्पष्ट उल्लेख उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 5 (पाँच) अंकों का है।

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प्रश्न: (2.3)

उत्तर:

Constitutional provision has been done after Stockholm conference. In 1976 '42' Amendment was done - "It states that 'State will endeavour to protect & save environment & wild life of Country'".
Under Article 51(A) - "It states that 'It is the duty of Citizen to protect & save environment including forest, lake, rivers & wildlife'".

प्रश्न: (2.4)

उत्तर:

With the degrading environment the human development is tending to sustainable growth, but still countries are degrading environment that result into an increment in average temperature of environment, ice caps melting, species are migrating due to change in natural cycles, they are also tending to extinct, more cyclones etc are the effect of environment change.

सभी प्रश्न अनिवार्य हैं। प्रश्न में आंतरिक विकल्प भी हो सकता है। अभ्यर्थी जिस आंतरिक विकल्प का उत्तर दे रहे है उसका स्पष्ट उल्लेख उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 5 (पाँच) अंकों का है।

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(2.5)

As India is developing country. Agriculture is comprising large sector of our economy almost 50%. It does not exploitation of environment for example - water consumption & ground pollution by fertilizers, electricity consumption is more. It is biggest challenge to we have to switch from primary sector to other sector with sustainable sources.

पू./M = 05



(2.6)

Environment education is too important because today's generation is only focusing on advance material like laptops, mobiles, vehicle they are not aware about its degradation & toxicity that they do to environment. Environmental education will also aware people about medicinal plant, the advantage of carbon sequestration, less floods that ultimately reduce diseases.

पू./M = 05

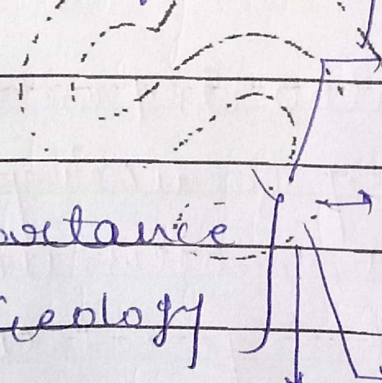


प्राप्तक

(2.8)

प्रश्न:

Geology is the study of structure of earth specially rocks.



It helps in pedology i.e. study of soil

Importance of Geology

It helps in pedology i.e. study of rocks

It determine geological time period on earth

It study interior of earth i.e. earthquakes, volcanoes possibilities

इस प्रश्न में 10 लघु उत्तरीय उप-प्रश्न हैं। प्रत्येक प्रश्न के उत्तर हेतु आदर्श शब्द सीमा 50 शब्द/5 से 6 पंक्तियाँ होंगी। सभी प्रश्न अनिवार्य हैं। प्रश्न में आंतरिक विकल्प भी हो सकता है। अभ्यर्थी जिस आंतरिक विकल्प का उत्तर दे रहे हैं उसका स्पष्ट उल्लेख उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 5 (पाँच) अंकों का है।

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प्रश्न: 2.
Que 2

प्रश्न: (2.9)

पू./म = 05



उत्तर:

According to modern theory all planets originate from a "clay" particle explosion origin of earth - initially it was a "hot" planet

Phase-1 → Initially "hot" planet, Phase-2 → Eruption of volkanoes resulted into gases H_2 & Nitrogen Phase-3 → Result into hydrospheres Phase-4 → ~~Photosynthesis~~ Algae in sea that result into photosynthesis at approx 4800 million years

प्रश्न: (2.10)

पू./म = 05



उत्तर:

Ores are naturally present in earth with impurities. In the metallurgical process minerals refined from it. While - minerals are comprised with organic & inorganic components. It are some ores & their minerals -

Magnetite, Haemetite → Iron

Bauxite → Aluminium

Argentite → Silver

हैं। प्रश्न में आंतरिक विकल्प नहीं हैं। प्रत्येक प्रश्न 11 (ग्यारह) अंकों का है।
उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 11 (ग्यारह) अंकों का है।
This question contains 05 long answer type sub-questions. Answer each question in ideal 200 words. All questions are compulsory. Internal choice can be given in the question. The candidate has to explicitly indicate the option chosen. Each question carries 11 (eleven) marks.

नं: (3.1)

उत्तर:

Indians are perceived environment-living mechanism, while modern world content was generated in recent times. Environment in Indian context - Indian context

↓ ↓
① Oral tradition ② Textual tradition

① Oral tradition: - Oral tradition perceived environment has living & non-living component. But non-living component has living creatures like - Agni as messenger, land - Mother goddess.

② Oral tradition more focused towards practice of rituals regarding environment.

③ They divided world into sky & land.

② Textual tradition - ① It more focused towards comprehensive study of environment globally.

② The environment in detail wrote as living mechanism with hydrological

इस प्रश्न में 05 दीर्घ उत्तरीय उप-प्रश्न हैं। प्रत्येक प्रश्न के उत्तर हेतु आदर्श शब्द सीमा 200 शब्द है। समा प्रश्न जानपान हैं। प्रश्न में आंतरिक विकल्प भी हो सकता है। अभ्यर्थी जिस आंतरिक विकल्प का उत्तर दे रहे हैं उसका स्पष्ट उल्लेख उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 11 (ग्यारह) अंकों का है।

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प्रश्न: (3.1) Continued (जारी)

cycle, weather cycle

③ They conciered the Indras, Ashurika the full filled of requirement of material cycles.

④ They conciered as living world is beyond sky below Earth also.

⑤ They conciered it transcendental & said element made up of 9 Tatva - modern world context :-

① This thought was development in recent times. The first environment conference which held on 5th of June in Rio-de-janeiro -

② It developed the concept of sustainable environment. And the 5th of June also deemed as World Environment Day.

③ Then there are conferences such as Kyoto protocol, Glasgow COP26, Agpt 27 (COP), Paris Conference, Bali conference was been done

However the modern context of environment & Indian context both are standing to same environment, same life.

प्रश्न: (3.2)

उत्तर:

Environment degradation is the exploitation of an environment for human purpose. Environment not providing quality to living organisms is environment degradation.
Causes of environment degradation -

- ① From the industrial revolution the environment degradation has been started since then till now four industrial has occurred but the sustainable environment concept generated in 1972
- ② The excess use of fertilizer in agriculture that results into ground pollution, water, air pollution, soil pollution.
- ③ The excess use of fossil fuel that results into releasing of carbon dioxide, sulphur dioxide, carbon monoxide etc. gases are degrading environmental quality
- ④ The releasing of green house gases resulting into increment of global

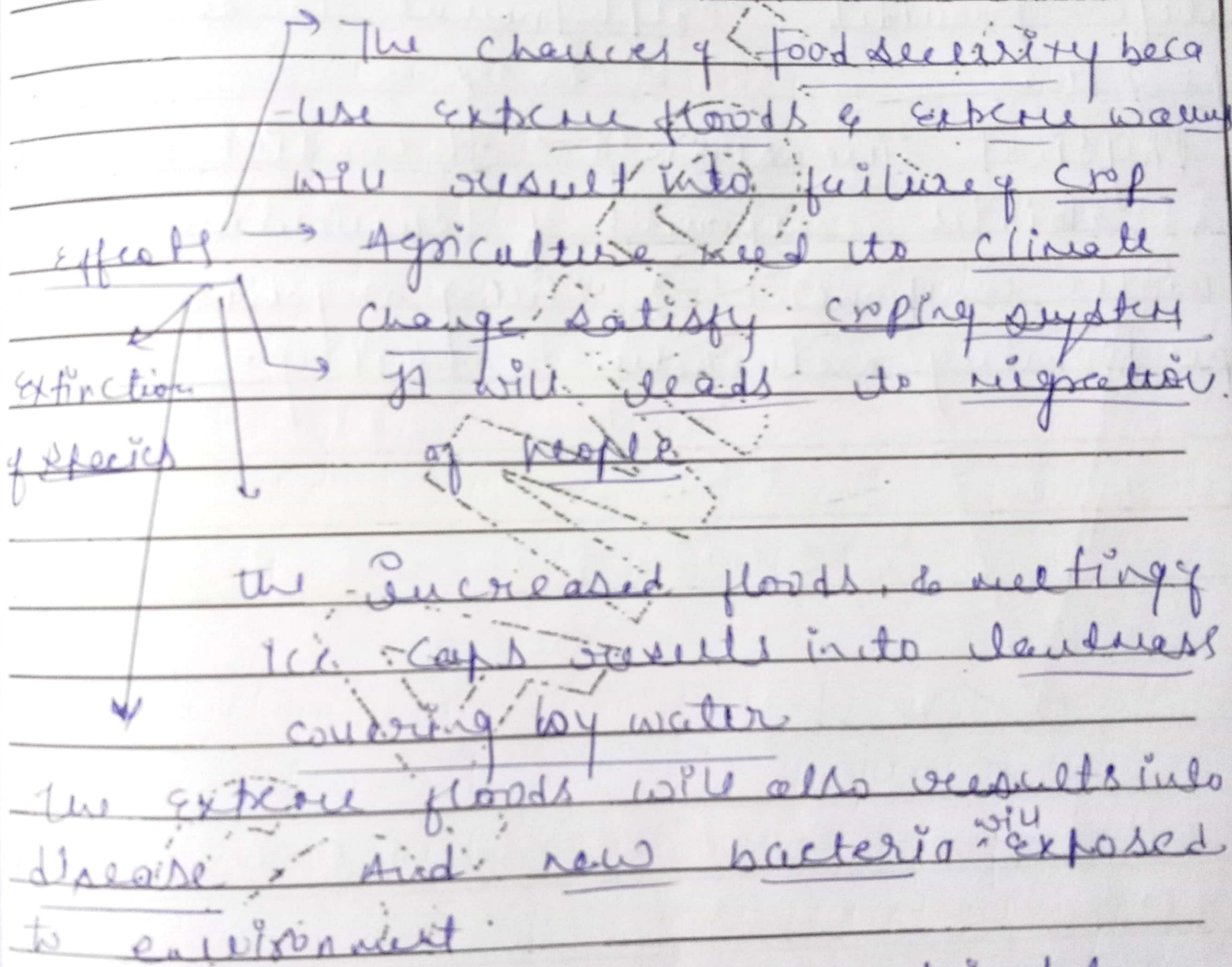
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(3.2) Continued (जारी)

temperature.

effects of environment degradation:-

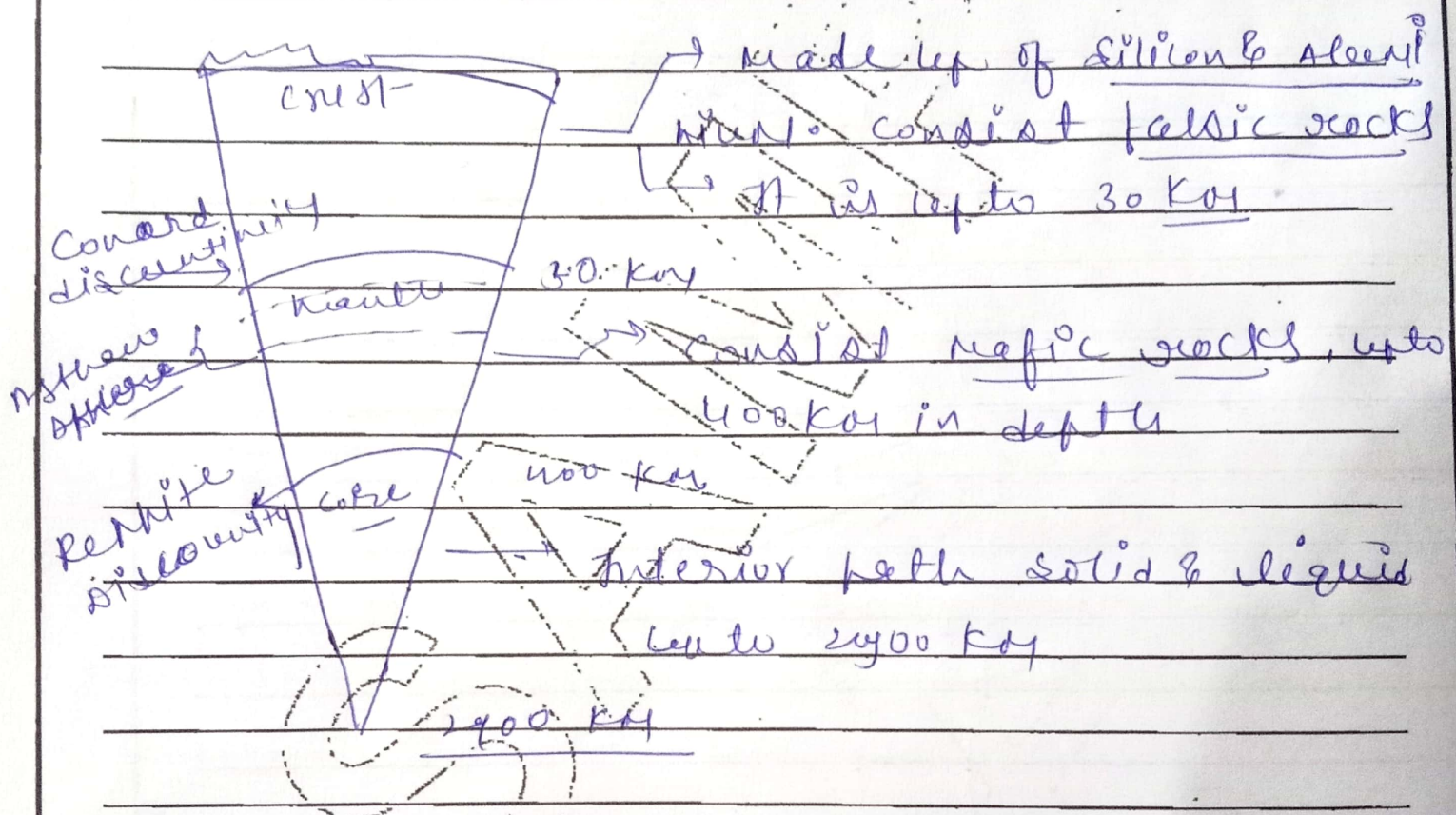


We should tend to sustainable growth, for our upcoming generations & the species. We are numerally depend on environment for our existence. without environmental species there will be disturbance in natural cycles.

questions are compulsory. internal choice
the option chosen. Each question carries 11 (eleven) marks.

प्रश्न: (3.4)

उत्तर: Earth has three layers in its interior crust, mantle & core.



Crust = Crust is divided into parts - crust

Thin crust

- ↓
- > oceanic crust
- > 5 km thin

thick crust

- ↓
- > continental crust
- > 30 km thicker

This question contains 05 long answer type sub-questions. Answer each question in ideal 200 words. All questions are compulsory. Internal choice can be given in the question. The candidate has to explicitly indicate the option chosen. Each question carries 11 (eleven) marks.

प्रश्न: (3.4) Continued (जारी)

^{more}
→ less density

the upper most mantle is lithosphere

Mantle → Divided into → uppermost mantle
→ Asthenosphere
→ lower mantle

uppermost mantle lithosphere float on
Asthenosphere & Asthenosphere divided by gutenberg
being discontinuity.

Cole → Divided into → upper crust separated
by Mohorovičić discontinuity from inner
Crust

Inner Crust - The
liquid portion of
solid ~~crust~~ core

Core consist Nickel & Iron minerals
& it is highest in density ~~among~~ as
compare to crust & mantle layer.

प्रश्न: 3.

इस प्रश्न में 05 का उत्तर देना है। प्रश्न में आंतरिक विकल्प भी हो सकता है। प्रश्न में उत्तर के समक्ष अनिवार्यतः करें। प्रत्येक प्रश्न 11 (ग्यारह) अंकों का है।
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प्रश्न: (3.3)

उत्तर:

Environment plays important role in whole life. It is part of our life provides employment to several people.

Physical dimension - It consist Biotic & abiotic component of environment. Biotic component → living organism which performing metabolic activity.