

Book For Union Public Service Commission



NDA General Knowledge Sample Paper



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(1) Which of the following food grain crops occupies the largest part of the cropped area in India?

- [A] Barley and maize
- [B] Jowar and bajra
- [C] Rice
- [D] Wheat

Answer : [C]

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(2) Which of the following drainage systems fall into Bay of Bengal?

- [A] Ganga, Brahmaputra and Godavari
- [B] Mahanadi, Krishna and Cauvery
- [C] Luni, Narnada and Tapti
- [D] Both (a) and (b)

Answer : [D]

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(3) Which of the following groups of rivers have their source of origin in Tibet?

- [A] Brahmaputra, Ganges and Sutlej
- [B] Ganges, Sutlej and Yamuna
- [C] Brahmaputra, Indus and Sutlej
- [D] Chenab, Ravi and Sutlej

Answer : [C]

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(4) The natural region which holds the Indian subcontinent is

- [A] equatorial climate change region
- [B] hot desat
- [C] monsoon
- [D] mediterranean

Answer : [C]

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(5) The number of major ports in India is

- [A] 5
- [B] 8

[C] 13

[D] 15

Answer : [C]

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(6) Stars twinkle because

[A] the intensity of light emitted by them changes with time

[B] the distance of the stars from the earth changes with time

[C] the refractive index of the different layers of the earth's atmosphere changes continuously, consequently the position of the image of a star changes with time

[D] the light from the star is scattered by the dust particles and air molecules in the earth's atmosphere

Answer : [C]

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(7) On a cold day when a room temperature is 15°C, the metallic cap of a pen becomes much colder than its plastic body, though both are at the same temperature of 15°C, because

[A] metals have higher thermal capacity than plastics

[B] plastics have a lower density than metals

[C] metals are good conductor of heat

[D] plastics have a higher thermal conductivity than metals

Answer : [C]

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(8) Radio telescopes are better than optical telescopes because

[A] they can detect faint galaxies which no optical telescope can

[B] they can work even in cloudy conditions

[C] they can work during the day and night

[D] All of the above

Answer : [D]

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(9) Radiocarbon dating technique is used to estimate the age of

[A] rocks

[B] monuments

[C] soil

[D] fossils

Answer : [D]

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(10) One nanometer is equal to

[A] 10^{-6} m

[B] 10^{-8} m

[C] 10^{-9} m

[D] 10^{-5} m

Answer : [C]

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(11) A chronometer measures

[A] colour contrast

[B] sound waves

[C] time

[D] water waves

Answer : [C]

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(12) Mesons are found in

[A] Laser beam

[B] X-rays

[C] Gamma rays

[D] Cosmic rays

Answer : [D]

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(13) Nuclear fission is caused by the impact of

[A] neutron

[B] proton

[C] deuteron

[D] electron

Answer : [A]

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(14) Which of the following is used for removing air bubbles from glass during its manufacture?

[A] Arsenous oxide

[B] Potassium carbonate

[C] Soda ash

[D] Feldspar

Answer : [A]

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(15) Gypsum is added to cement clinker to

- [A] increase the tensile strength of cement
- [B] decrease the rate of setting of cement
- [C] facilitate the formation of colloidal gel
- [D] bind the particles of calcium silicate

Answer : [B]

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(16) The number of waves in n x 10^{th} Bohr's orbit are

- [A] n^2
- [B] n
- [C] n^{-2}
- [D] n^3

Answer : [B]

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(17) The following are the half lives of four active isotopes. Which one of the following is the most dangerous to handle?

- [A] 3 billion years
- [B] 100 years
- [C] 0.01 minute
- [D] 13 days

Answer : [C]

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(18) The high reactivity of fluorine is due to

- [A] its high electro negativity
- [B] small size of fluorine atom
- [C] availability of d-orbitals
- [D] strong F - F bond

Answer : [A]

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(19) The number of electrons presents in H^+ is

- [A] zero
- [B] one
- [C] two
- [D] three

Answer : [A]

Explanation:

H⁺ is a hydrogen ion, and it is an ion because it LOST an electron. Electrons are negatively charged. When an atom gains electrons it will have NEGATIVE charges.

So it has zero electron.

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(20) The method of concentrating the ore which makes use of the difference in density between ore and impurities is called

[A] liquation

[B] leaching

[C] levigation

[D] magnetic separation

Answer : [C]

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