

M.A. (2022) (SEM/CR) CBCS Part-II Semester-III Examination: Oct/Nov.-2023
Geography (Compulsory) Paper-X
GEOC28: Fundamentals of RS & DIM

Day and Date: Monday, 11/12/2023
Time: 11.00 AM To 1.00 PM

Total Marks: 60

Instructions:

1. All Questions are Compulsory.
2. All Questions carry equal marks.
3. Figures to the right indicate full marks

Q.1. Choose the Correct alternatives from the following.

15

- 1 Who launched the first satellite?
A) Soviet Union B) USA C) England D) Japan
- 2 Which type of remote sensing uses its own source of electromagnetic energy?
A) Passive B) Active C) Turbo D) Orbital
- 3 In visible region, the blue light is having a wavelength range of _____
A) 380 - 500 nm B) 1 - 15 mm C) 0.10 - 0.00257 nm D) 15 - 48 mm
- 4 Which of the following are not example of Passive Sensor?
A) Accelerometer B) Radiometer C) Radar D) Sounder
- 5 Which scattering occurs at the altitude of 0 to 5 km?
A) Mie B) Rayleigh C) Non-Selective D) UV
- 6 Overlapping occurred due to adjacent flight lines can be termed as _____.
A) Front lap B) Forward lap C) Side lap D) Straight lap
- 7 Fiducial points are located at _____ the photograph.
A) center of B) corner or edge-centers, or both of C) middle part of D) upper middle part of
- 8 Platforms for ----- photography include fixed-wing aircraft, helicopters, unmanned aerial vehicles, drones, balloons, blimps and dirigibles, rockets, pigeons, kites, parachutes, stand-alone telescoping and vehicle-mounted poles.
A) Aerial B) Terrestrial C) Cloud D) Digital
- 9 ---- is a point on photograph obtained by dropping a vertical line from the camera center.
A) Exposure station B) Focal Length C) Vertical line D) Photo nadir point
- 10 ----- is a binocular optical instrument that helps us view two properly oriented photos to obtain a 3-dimensional model.
A) Stereoscope B) Stereo pairs C) Isocenter D) Parallax bar
- 11 ----- satellites are predominantly used to monitor and record the Earth's climate and weather.
A) Earth Observation B) Communication C) Astronomical D) Meteorological
- 12 ----- system is one of the largest domestic communication satellite systems in Asia-Pacific region.
A) INSAT B) EDUSAT C) LANDSAT D) METSAT

- 13 ---- the first of the series of indigenous state-of-art operating remote sensing satellites of India.
A) IRS-1A B) IRS-1B C) IRS-1C D) IRS-1D
- 14 ---- satellite system is the largest constellation of remote sensing satellites for civilian use in operation today in the world
A) LANDSAT B) SPOT C) IRS D) QuickBird
- 15 ---- was a high-resolution commercial earth observation satellite, owned by DigitalGlobe launched in 2001.
A) LANDSAT B) SPOT C) Sentinels D) QuickBird

Q.2. Write short Notes (Three out of Four) .

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- 1 Scope and development of remote sensing
- 2 Types of Resolution in remote sensing
- 3 Overlap and Sidelap
- 4 Earth observation Satellite

Q.3. Write short Answers (Three out of Four) .

15

- 1 Describe EMR interaction with atmosphere and earth surface.
- 2 Explain types of aerial cameras.
- 3 Explain geostationary satellite
- 4 Describe Remote Sensing Scenario in Indian Context.

Q.4.. Answer the following question on broad. (One out of two).

15

- 1 What is remote sensing? Give the details of remote sensing application in various field.
- 2 Describe the types of Aerial photographs.

मराठी रूपांतर

सूचना: :

1. सर्व प्रश्न सोडविणे अनिवार्य आहे.
2. सर्व प्रश्नांना समान गुण आहेत.
3. उजवीकडील अंक पूर्ण गुण दर्शवितात.

Q.1. खाली दिलेल्या पर्यायांपैकी योग्य पर्याय निवडा.

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Q.2. टीपा लिहा. (चार पैकी कोणतेही तीन).

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- 1
- 2

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Q.3. थोडक्यात उत्तरे लिहा. (चार पैकी कोणतेही तीन) .

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Q.4. सविस्तर उत्तर लिहा. (दोन पैकी एक) .

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Model Answer Paper

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Q.1. खाली दिलेल्या पर्यायांपैकी योग्य पर्याय निवडा.

१५

- 1 Option 1
- 2 Option 2
- 3 Option 1
- 4 Option 3
- 5 Option 2
- 6 Option 3
- 7 Option 2
- 8 Option 1
- 9 Option 4
- 10 Option 1
- 11 Option 4
- 12 Option 1
- 13 Option 1
- 14 Option 3
- 15 Option 4

Q.2. टीपा लिहा. (चार पैकी कोणतेही तीन).

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- 1 Ans:
- 2 Ans:
- 3 Ans:
- 4

Ans:

Q.3. थोडक्यात उत्तरे लिहा. (चार पैकी कोणतेही तीन) .

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1

Ans:

2

Ans:

3

Ans:

4

Ans:

Q.4. सविस्तर उत्तर लिहा. (दोन पैकी एक) .

१५

1

Ans:

2

Ans:
