



PRE-MIX

19-16

5 HIGH VALUE QUESTIONS FOR PRELIMS

Free Courses

Monday to Friday

Complete GS

(Prelims + Mains)

Pre-Mix

5 High Value Prelims Oriented Questions

MAD

5 Mains Related Questions per week

Saturday

Weekly CSAT Class

Weekly Scheme Analysis

Weekly Editorial Analysis

Also Covered

Sociology Optional

Political Science Optional

Paid Courses

For Prelims 2019

Prelims Test Series

(With/Without Video Solutions)

For Mains 2018

GS Crash Course

For GS 1, 2, 3, 4

Question & Answers Oriented

Sociology For Mains 2018

Crash Course

(With/Without Test Series)

1.

“GROWTH-India” was recently in news. It refers to:

- a) First of its kind “self-renew” brain cells discovered in India, that divide and give rise to more stem cells of the same kind.
- b) To a programme which insulates (myelinate) individual nerve fibers (axons), which is necessary for sending appropriate electrical signals throughout the nervous system.
- c) To stimulate the GDP of the country by initiating growth programmes in Champion Sectors.
- d) None of the above

GROWTH INITIATIVE

- Multi-country collaborative initiative known as Global Relay Observatories Watching Transients Happen (GROWTH) to observe transient events in the universe.
- The initiative will focus on three scientific themes in the field of time-domain astronomy – cosmic explosions (supernova), small near-earth asteroids and the electromagnetic identification of gravitational wave sources.
- It is a fully robotic optical research telescope which has been designed to capture cosmic events occurring in timescales much shorter than light years like years, days and even hours.
- United States of America, United Kingdom, Japan, Germany, India, Taiwan and Israel are part of the initiatives.

GROWTH-India

the country's first robotic telescope and the first one designed to observe dynamic or transient events in the universe.

- Robotic telescope funded by the Science and Engineering Board (SERB) of the Department of Science and Technology.
- 70cm telescope.
- It is mostly an imaging telescope and the spectroscopy (analysis) will happen at Himalayan Chandra Telescope (HCT).
- The first targets for the telescope were chosen from the Messier catalogue (a catalogue of nearby, bright astronomical sources accessible from the northern hemisphere) which allowed various image quality tests.

2.

Which of the following is **true** with respect to **Merchant Discount Rate** ?

a) It is a charge which the merchants pay to the bank for accepting payments from customers through debit card in their establishment.

b) It is the Rate at which a bill of exchange or an accounts receivable is paid (discounted) by the merchants before its maturity date..

c) It is the interest rate charged by commercial banks and other depository institutions for loans received given to Merchants.

d) None of the above.

MERCHANT DISCOUNT RATE

- The merchant discount rate is the rate charged to a merchant for payment processing services on debit and credit card transactions. The merchant must setup this service and agree to the rate prior to accepting debit and credit cards as payment.
- RBI specifies the Maximum MDR charges that can be levied on every card transaction.

3.

Which of the following is true about ASTROSAT ?

a) It is India's first dedicated multi wavelength space observatory.

b) It is India's first dedicated solar mission planned in 2019.

c) It is the heaviest rocket to be launched from India till now.

d) launched through collaboration between NASA, ESA and the Italian space agency to study Saturn and its system of rings and moons.

ASTROSTAT

- It is India's first dedicated multi wavelength space observatory.
- It observes universe in the optical, Ultraviolet, low and high energy X-ray regions of the electromagnetic spectrum, whereas most other scientific satellites are capable of observing a narrow range of wavelength band.
- With the success of this satellite ISRO has proposed to launch AstroSat-2 as a back up for Astrosat when nears its five-year life span
- It's dubbed as a smaller version of NASA's Hubble Space Telescope

Main scientific focus on:

- Simultaneous multi-wavelength monitoring of intensity variations in a broad range of cosmic sources
- Monitoring the X-ray sky for new transients
- Sky surveys in the hard X-ray and UV bands
- Broadband spectroscopic studies of X-ray binaries, AGN, SNRs, clusters of galaxies, and stellar coronae
- Studies of periodic and non-periodic variability of X-ray sources

4.

OPERATION **NISTAR** was:

- a) to bring back Indians stranded in Socotra island (Yemen) after Cyclone Mekunu hit the area.**
- b) to bring back hundreds of Indian nationals stranded in trouble-torn Lebanon.**
- c) operation launched by Indian government to evacuate its nationals, who were fleeing from the Libyan Civil War.**
- d) to pull out Indian nationals from the war-ravaged Yemen .**

- **Operation SUkoon:** to bring back hundreds of Indian nationals stranded in trouble-torn Lebanon.
- **Operation Raahat** :to pull out its nationals from the war-ravaged Yemen
- **Operation Safe Homecoming** was an operation launched by Indian government to evacuate its nationals, who were fleeing from the Libyan Civil War.

5.

Which of the following are Tiger range Countries?

1) India

2) Bhutan

3) Russia

4) China

5) Mongolia

a) 1,2 and 5

b) 1,2 and 3

c) 1,2 ,3 and 4

d) All of the above

➤ The **Tiger Range Countries (TRC)** –

are: Bangladesh, Bhutan, Cambodia, China, India,
Indonesia, Lao
PDR, Malaysia, Myanmar, Nepal, Russia, Thailand, V
ietnam and North-Korea

6. MAP SPECIAL

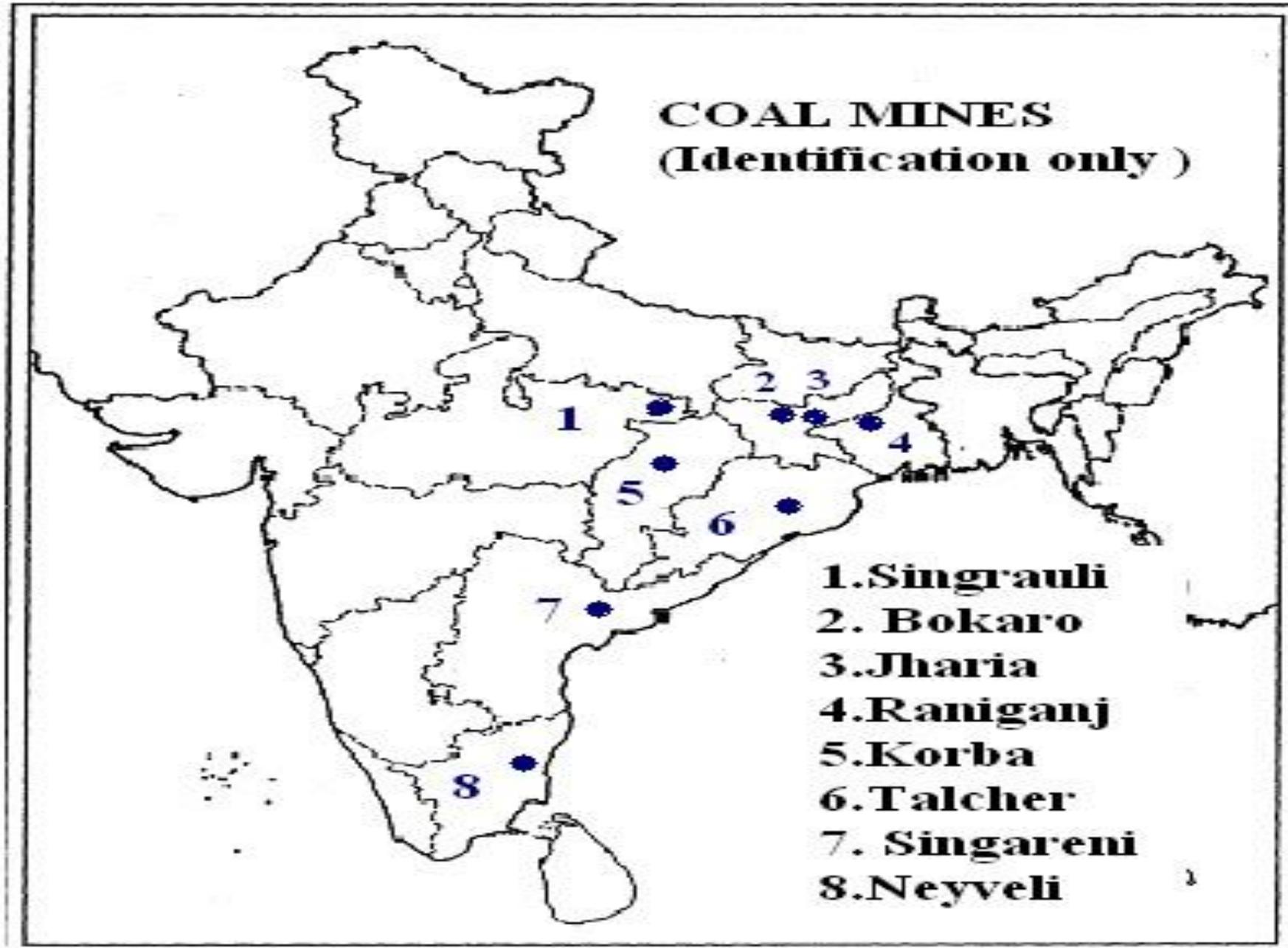
Which of the following is matched correctly?

a) Singrauli: Madhya Pradesh

b) Bokaro: Bihar

c) Talcher: Assam

d) Neyveli: Telangana



7. CULTURE SPECIAL

Consider the following languages:

1) Gujarati

2) Kannada

3) Telugu

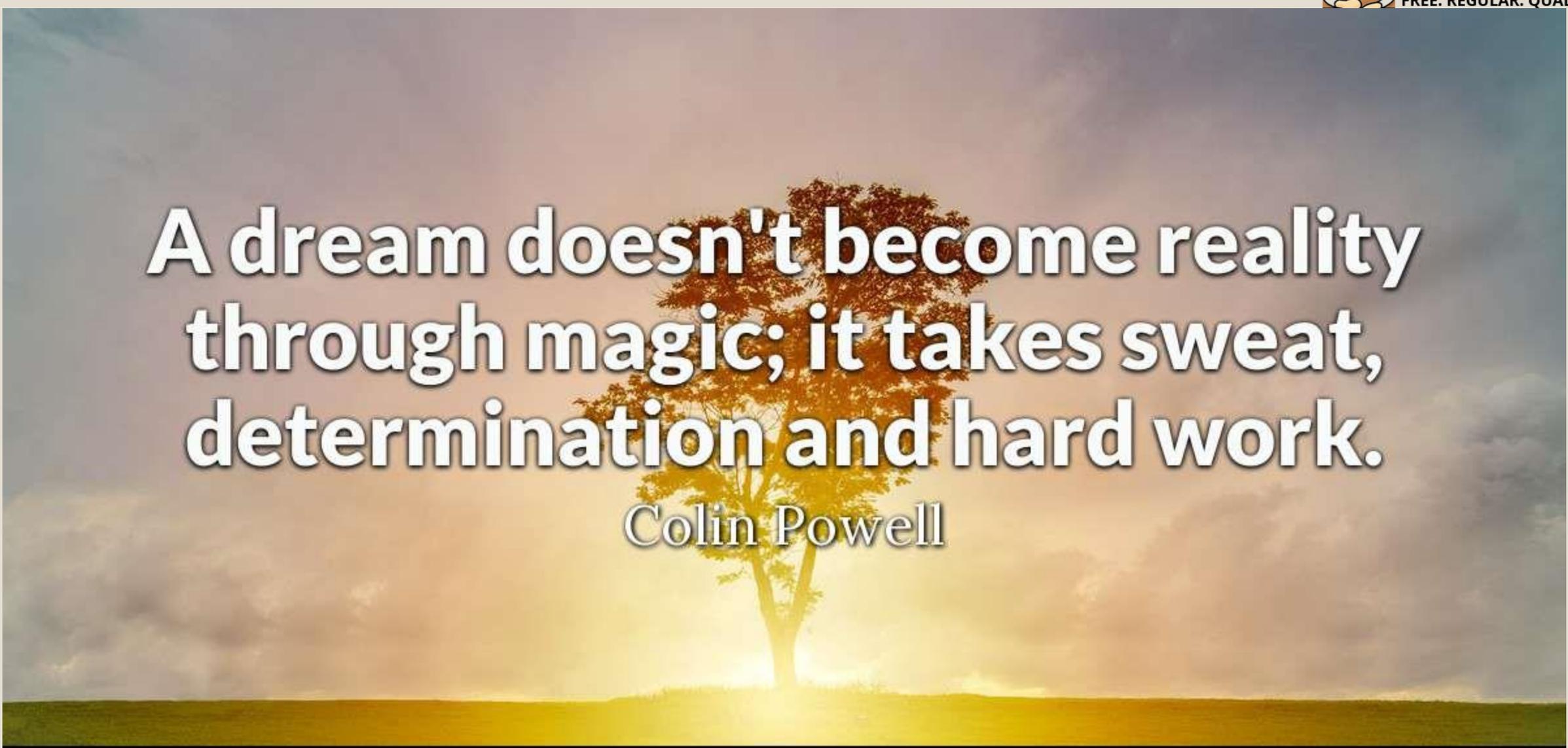
Which of the above has/have been declared as 'Classical Language / Languages' by the Government?

a) 1 and 2 only

b) 3 only

c) 2 and 3 only

d) 1, 2 and 3



**A dream doesn't become reality
through magic; it takes sweat,
determination and hard work.**

Colin Powell