## UNIVERSITY OF MYSORE Postgraduate Entrance Examination November-2021



SUBJECT CODE :

(Read carefully the instructions given in the Question Booklet)


MAXIMUM MARKS : 50
MAXIMUM TIME : 75 MINUTES
(Including time for filling O.M.R. Answer sheet)

## INSTRUCTIONS TO THE CANDIDATES

1. The sealed question paper booklet containing 50 questions enclosed with O.M.R. Answer Sheet is given to you.
2. Verify whether the given question booklet is of the same subject which you have opted for examination.
3. Open the question paper seal carefully and take out the enclosed O.M.R. Answer Sheet outside the question booklet and fill up the general information in the O.M.R. Answer sheet. If you fail to fill up the details in the form as instructed, you will be personally responsible for consequences arising during evaluating your Answer Sheet.
4. During the examination:
a) Read each question carefully.
b) Determine the Most appropriate/correct answer from the four available choices given under each question.
c) Completely darken the relevant circle against the Question in the O.M.R. Answer Sheet. For example, in the question paper if "C" is correct answer for Question No.8, then darken against SI. No. 8 of O.M.R. Answer Sheet using Blue/Black Ball Point Pen as follows:

Question No. 8. (A) (B) (D) (Only example) (Use Ball Pen only)
5. Rough work should be done only on the blank space provided in the Question Booklet. Rough work should not be done on the O.M.R. Answer Sheet.
6. If more than one circle is darkened for a given question, such answer is treated as wrong and no mark will be given. See the example in the O.M.R. Sheet.
7. The candidate and the Room Supervisor should sign in the O.M.R. Sheet at the specified place.
8. Candidate should return the original O.M.R. Answer Sheet and the university copy to the Room Supervisor after the examination.
9. Candidate can carry the question booklet and the candidate copy of the O.M.R. Sheet.
10. The calculator, pager and mobile phone are not allowed inside the examination hall.
11. If a candidate is found committing malpractice, such a candidate shall not be considered for admission to the course and action against such candidate will be taken as per rules.
12. Candidates have to get qualified in the respective entrance examination by securing a minimum of 8 marks in case of SC/ST/Cat-I Candidates, 9 marks in case of OBC Candidates and 10 marks in case of other Candidates out of 50 marks.

## INSTRUCTIONS TO FILL UP THE O.M.R. SHEET

1. There is only one most appropriate/correct answer for each question.
2. For each question, only one circle must be darkened with BLUE or BLACK ball point pen only. Do not try to alter it.
3. Circle should be darkened completely so that the alphabet inside it is not visible.
4. Do not make any unnecessary marks on O.M.R. Sheet.
5. Mention the number of questions answered in the appropriate space provided in the O.M.R. sheet otherwise O.M.R. sheet will not be subjected for evaluation.

1) Which Geological era was the longest?
(A) Precambrian
(B) Paleozoic
(C) Mesozoic
(D) Cenozoic
2) Which is the top most layer of atmosphere
(A) Troposphere
(B) Mesosphere
(C) Exosphere
(D) Stratosphere
3) Biota refers to $\qquad$ .
(A) Plants
(B) Animals
(C) Both (A) \& (B)
(D) None of the above
4) The average salinity of oceans in one kilogram of sea water is $\qquad$ .
(A) 320 gm
(B) 35 gm
(C) 37 gm
(D) 400 gm
5) Lapse rate refers to $\qquad$ .
(A) Change in Humidity with respect to height
(B) Change in Pressure with respect to height
(C) Change in Temperature with respect to height
(D) None of the above
6) The Black Sea and the Mediterranean Sea is connected by $\qquad$ .
(A) Shaff-al-Arab
(B) Dardanelles
(C) Strait of Gibraltar
(D) Bay of Bengal
7) The largest delta of the World is $\qquad$ .
(A) Nippon Delta
(B) Ganga Delta
(C) Sicily Delta
(D) Caspian Delta
8) Active Volcano in India situated at $\qquad$ .
(A) Andaman
(B) Nicobar
(C) Kavaratti
(D) Minicoy
9) Himalayan pink salt is most abundant in $\qquad$ .
(A) Nepal
(B) Bhutan
(C) J \& K
(D) Pakistan
10) Which Plateau is known as "the Roof of the World".
(A) Deccan
(B) Colorado
(C) Tibetan
(D) Mexican
11) How many inches are there in a mile?
(A) 66,330 inches
(B) 33,660 inches
(C) 63,360 inches
(D) 36,360 inches
12) Fathoms are used to measure $\qquad$ .
(A) Length of the river
(B) Area of the land features
(C) Depth of the ocean
(D) Height of the mountain
13) Representation of Relief and Vegetation are the part of $\qquad$ .
(A) Physical Maps
(B) Cultural Maps
(C) Political Maps
(D) All of the above
14) Converging lines are called $\qquad$ .
(A) Lines of Latitudes
(B) Lines of Longitudes
(C) Rhumb line
(D) None of the above
15) Planimetric Maps refers to $\qquad$ .
(A) Information about two dimensional features
(B) Information about three dimensional features
(C) Information about four dimensional features
(D) All of the above
16) Wide variety of living organisms is called :
(A) Biodiversity
(B) Population
(C) Habitat
(D) Diversity
17) Which is the most nuclear fuel used in the world is $\qquad$ .
(A) Thorium
(B) Uranium
(C) Plutonium
(D) Polonium
18) Which is the most affected country due to Corona Virus 2019 ?
(A) China
(B) India
(C) United States of America
(D) Brazil
19) Public Liability Insurance Act was enacted in the year $\qquad$ .
(A) 1986
(B) 1991
(C) 1993
(D) 1995
20) Which is the topmost cleanest city as per "Swachh Survekshan 2020"?
(A) Indore
(B) Jaipur
(C) Mysuru
(D) Coimbatore
21) World Computer Literacy Day is celebrated on $\qquad$ .
(A) $15^{\text {th }}$ Day of January
(B) $8^{\text {th }}$ Day of June
(C) $17^{\text {th }}$ Day of November
(D) $2^{\text {nd }}$ Day of December
22) 'OS' computer abbreviation usually means?
(A) Open Source
(B) Operating System
(C) Optical Sensor
(D) All of the above
23) What is the full form of PDF?
(A) Printed Document Format
(B) Public Document Format
(C) Portable Document Format
(D) Published Document Format
24) The Second Generation Computer used $\qquad$ .
(A) Transistors
(B) Integrated circuit
(C) Vacuum tube
(D) Chip
25) The $\qquad$ was built by Charles Babbage.
(A) Analytical Engine
(B) Abacus
(C) Differential Engine
(D) Calculator
26) A rational number $5 / 7$ equivalent to $\qquad$ .
(A) $15 / 17$
(B) $25 / 27$
(C) $10 / 14$
(D) $10 / 21$
27) The length of an edge of a cube is 'L'. The total length of its edges is
(A) 4 L
(B) 6 L
(C) 8 L
(D) 12 L
28) The base of the equilateral pyramid is $\qquad$ .
(A) Only a triangle
(B) Only a square
(C) Only a rectangle
(D) None of the above
29) One hectare $(\mathrm{Ha})$ is equal to how many acres?
(A) 2.27
(B) 2.37
(C) 2.47
(D) 2.57
30) The $8^{\text {th }}$ term of the series $256,128,64$ $\qquad$ is
(A) 2
(B) 4
(C) 8
(D) 16
31) Which one is not an example of continues data?
(A) Air Pressure
(B) Water Vapours
(C) Demographic Variable
(D) None of the above
32) SDI stands for $\qquad$ -
(A) Spatial Data Integration
(B) Spatial Data Information
(C) Spatial Data Infrastructure
(D) Spatial Data Interpretation
33) Fourth dimension of geographic model represents $\qquad$ .
(A) Latitude
(B) Altitude
(C) Time
(D) Depth
34) Vector representations of shapes uses $\qquad$ .
(A) Pixels
(B) Nodes
(C) Both (A) and (B)
(D) None of the above
35) OSGEO stands for $\qquad$ .
(A) Open Source Geospatial Foundation
(B) Open Source Geographic Federation
(C) Open Source Geospatial Data
(D) Open Source Geospatial Consortium
36) Remote sensing uses which of the following waves in its procedure?
(A) Electric Wave
(B) Magnetic Wave
(C) Both (A) and (B)
(D) Cosmic rays
37) The altitudinal distance of a geostationary satellite from the earth is about:
(A) $32,000 \mathrm{Km}$
(B) $34,000 \mathrm{Km}$
(C) $36,000 \mathrm{Km}$
(D) $38,000 \mathrm{Km}$
38) What is the range of the visible region of the spectrum?
(A) 350 nm to 650 nm
(B) 400 nm to 700 nm
(C) 450 nm to 750 nm
(D) None of the above
39) INSAT satellite is an example of $\qquad$ .
(A) Weather Forecasting
(B) Telecommunication
(C) Land Imaging
(D) All of the above
40) Global Positioning System (GPS) was launched in the year $\qquad$ .
(A) 1970
(B) 1971
(C) 1972
(D) 1973
41) In which year Telangana and Andhra Pradesh is bifurcated $\qquad$ .
(A) 2014
(B) 2015
(C) 2016
(D) 2017
42) How many Fundamental Rights have been provided by the Constitution of India?
(A) Four
(B) Five
(C) Six
(D) Seven
43) Who described the directive principles of state policy as "manifesto of aims and aspirations"?
(A) K.C. Wheare
(B) Richard Posner
(C) John C Gray
(D) Max Weber
44) Farm Law, 2020 refers to $\qquad$ .
(A) Essential Commodities
(B) Produce Trade and Commerce
(C) Price Assurance and Farm Services
(D) All of the above
45) Who was the first Deputy Chairman of Planning Commission?
(A) JL Nehru
(B) Gulzari Lal Nanda
(C) Ashok Mehta
(D) CM Trivedi
46) BIRDS are to FLY as HORSE is to:
(A) Speed
(B) Flutter
(C) Trot
(D) Paddock
47) Arjun walked 7 m in the direction of North and then he turned to his right and walked 6 m . After this he turned to his right and moved 15 m . Now how far is the distance from source and destination?
(A) 7 m
(B) 8 m
(C) 9 m
(D) 10 m
48) RIPPLE is coded as 613382 and LIFE is coded as 8192. Then PILLER is equivalent to $\qquad$ —.
(A) 318826
(B) 318286
(C) 618826
(D) 338816
49) Pointing to a boy, Lakshman said, "His father's wife's brother is the only brother of my sister's father." How is the boy related to Lakshman?
(A) Son
(B) Nephew
(C) Cousin Brother
(D) Uncle
50) Find the letter pattern in a series $\{\mathrm{QPO}, \mathrm{NML}, \mathrm{KJI}$, $\qquad$ , EDC $\}$
(A) HGF
(B) CAB
(C) JKM
(D) GHD

## Rough Work

## అభ్యథిรగษిగి శ్జอఒసేగఆు



 ఎంబదన్ను யరిరిలలిసిరి.



 జదాబ్దారరంగిరుత్తిర.


 లుత్తరహస్ను నిధణరిసి.


 కుంబిర:




 ळలళెయల్లిన లుదాळరణి నెలలి.
 యృడ్బొలు.


 かっలగబळుడు.




 అంచగఆన్ను யֹడియత్ర్ప్దు.

## ఓ.ఎం.ఆరా. ळలఆయన్న్ కుంబలు స్యృజసెగఆు









Note : English version of the instructions is printed on the front cover of this booklet.

