

Computer Based Examination System

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Title *	Question Paper Answer Key
OES Exam *	GPSC06202104 Assistant Professors in Government College in Geology Completed 2021-09-19

1	Question Description	Trisectahedron is a/an
	A	Open form consisting of 8 faces
	B	Closed form consisting of 8 faces
	C	Open form consisting of 24 faces
	D	Closed form consisting of 24 faces
	Correct Answer	D
	Marks	1

2	Question Description	Which one of the following is Not True about Plagioclase?
	A	A massive or crystalline structure
	B	is composed of K mainly
	C	having 2 sets of cleavages
	D	is Composed of either Na, Ca, or Al
	Correct Answer	B
	Marks	1

3	Question Description	The volcanic equivalent of granodiorite is called.....
	A	Rhyolite
	B	Dacite
	C	Andesite
	D	Latite
	Correct Answer	B
	Marks	1

4	Question Description	The presence of ammonites in a stratigraphic sequence suggests.....
	A	Mesozoic age
	B	Cenozoic age
	C	Cambrian age
	D	Proterozoic age
	Correct Answer	A
	Marks	1

5	Question Description	An igneous texture where laths of plagioclase are completely embedded within augite crystal is called.....
	A	Porphyritic texture
	B	Ophitic texture
	C	Pilotaxitic texture
	D	Panidiomorphic texture
	Correct Answer	B
	Marks	1

6

Question Description	A fold in which both the limbs and axial planes are nearly horizontal and lower limb is overturned is known as
A	Symmetrical fold
B	Asymmetrical fold
C	Overturned fold
D	Recumbent fold
Correct Answer	D
Marks	1

7

Question Description	Which of the following geomorphic feature is depositional in nature?
A	Goyuts
B	Flute casts
C	Tombolos
D	Deflation hollows
Correct Answer	C
Marks	1

8

Question Description	In which one of the following configurations the electrodes are uniformly spaced?
A	Schlumberger array
B	Pole-dipole array
C	Wenner array
D	Pole-pole array
Correct Answer	C
Marks	1

9

Question Description	Presence of the Sanidine as characteristic feldspar mineral in the sandstone indicates the source as _____
A	Acid Volcanic
B	Basaltic
C	Granitic
D	Pegmatite
Correct Answer	A
Marks	1

10	Question Description	Yardang is an erosional landform formed by the action of
	A	Glacier
	B	River
	C	Sea
	D	Wind
	Correct Answer	D
	Marks	1

11	Question Description	Salgundi Conglomerate belonging to the Bagalkot Group is associated with the..... Unconformity
	A	Eparchean
	B	Mohorovicic
	C	Late Middle Devonian
	D	Late Cretaceous
	Correct Answer	A
	Marks	1

12	Question Description	An intergrowth texture in which plagioclase contains inclusions of potash feldspar is known as
	A	Graphic texture
	B	Seriate textures
	C	Perthite
	D	Anti-perthite
	Correct Answer	D
	Marks	1

13	Question Description	Mud-supported limestone containing greater than 10% allochems is called
	A	graywacke
	B	packstone
	C	wackestone
	D	mudstone
	Correct Answer	C
	Marks	1

14	Question Description	Which is not a spatial analysis tool?
	A	Merge
	B	Buffer
	C	Resolution
	D	TIN
	Correct Answer	C
	Marks	1

15	Question Description	A melanocratic porphyritic rock containing phenocrysts of biotite, with feldspar restricted to the groundmass, is called
	A	andesite
	B	dacite
	C	trachyte
	D	lamprophyre
	Correct Answer	D
	Marks	1

16	Question Description	Octahedral cleavage is shown by
	A	Calcite
	B	Fluorite
	C	Magnetite
	D	Diamond
	Correct Answer	B
	Marks	1
17	Question Description	A fold in which the axial plane is horizontal is called.....
	A	Recumbent fold
	B	Asymmetric fold
	C	Symmetric fold
	D	Monoclinial fold
	Correct Answer	A
	Marks	1

18	Question Description	Which one of the following can be estimated from SP log against a saline-water saturated sandstone formation encountered in a well?
	A	Permeability
	B	Depth of invasion
	C	Degree of water saturation
	D	Resistivity of formation water
	Correct Answer	D
	Marks	1

19	Question Description	A special type of rock with Qrz + Muscovite + Topaz is known as
	A	Pegmatite
	B	Schlieren
	C	Fenite
	D	Greisen
	Correct Answer	D
	Marks	1

20	Question Description	Completely glassy texture is called
	A	Holocrystalline
	B	Holohyaline
	C	Hemi-crystalline
	D	Fine grained
	Correct Answer	B
	Marks	1
21	Question Description	Which of the following relates to the deflection of ocean currents in the northern and southern hemispheres?
	A	El Nino effect
	B	Thermohaline circulation
	C	Coriolis effect
	D	Monsoon effect
	Correct Answer	C
	Marks	1

22

Question Description	Which of the following represents the oldest record of metazoan soft bodied animals?
A	Planktonic Foraminifers
B	Acritarchs
C	Ediacaran fauna
D	Stromatolites
Correct Answer	C
Marks	1

23

Question Description	New seafloor is created at a _____
A	Subduction zone
B	Transform fault
C	Mid-ocean ridge
D	Deep sea trench
Correct Answer	C
Marks	1

24

Question Description	Which one of the following minerals shows very strong internal reflection?
A	Orpiment
B	Magnetite
C	Pyrite
D	Molybdenite
Correct Answer	A
Marks	1

25

Question Description	Geostationary satellite is placed at an altitude of:
A	12000km
B	15000km
C	36000km
D	25000km
Correct Answer	C
Marks	1

26

Question Description	One of the largest Pd-Zn deposit of India is located at
A	Khetri
B	Malanjkhand
C	Bailadila
D	Zawar
Correct Answer	D
Marks	1

27

Question Description	Which of the following minerals has the composition KAlSiO_4 ?
A	Leucite
B	Nepheline
C	Kalsilite
D	Jadeite
Correct Answer	C
Marks	1

28

Question Description	If the net slip of a fault is equal to the strike slip component, the fault is a
A	Normal fault
B	Reverse fault
C	Transform fault
D	Thrust fault
Correct Answer	C
Marks	1

29

Question Description	Narmada-Tapti region of central India represents a -----?
A	Failed rift
B	Failed island arc
C	Palaeosuture
D	Trench
Correct Answer	A
Marks	1

30

Question Description	The refractive index of the ocean water
A	increases with salinity
B	decreases with salinity
C	decreases with temperature
D	increases with temperature
Correct Answer	A
Marks	1

31

Question Description	A long, deep, narrow inlet of water that reaches far inland is known as
A	Fjard
B	Fjord
C	Ishtumas
D	Firth
Correct Answer	B
Marks	1

32	Question Description	The Tethys was located between
	A	North America and Eurasia
	B	Antarctica and Africa
	C	Eurasia and Africa
	D	North America and South America
	Correct Answer	C
	Marks	1

33	Question Description	Dolostone is formed by the addition of _____ to limestone?
	A	Calcium
	B	Sodium
	C	Magnesium
	D	Carbonate
	Correct Answer	C
	Marks	1

34	Question Description	On a 1:25,000 scale Toposheet, the distance between upper and lower traces of a bed is 6 cm. The actual distance on ground in kilometers is
	A	1.5
	B	3
	C	2.5
	D	4
	Correct Answer	A
	Marks	1

35	Question Description	The two general data formats used in GIS are
	A	Features and attributes
	B	Vector and raster
	C	Points and lines
	D	Digital and paper maps
	Correct Answer	B
	Marks	1

36	Question Description	A geothermometer is?
	A	a device that measures temperature in deep drill holes
	B	a device that measures current rock temperatures at the surface
	C	a mineral assemblage that can reveal the minimum temperature attained during heating
	D	the range of temperatures experienced by a rock during its geologic history
	Correct Answer	C
	Marks	1
37	Question Description	Which one of the following represents the flat-topped volcanoes on the ocean floor
	A	Plateaus
	B	Oceanic ridges
	C	Guyots
	D	Seamounts
	Correct Answer	C
	Marks	1

38

Question Description

_____ the process of assigning geographic coordinates to an image

A

image rectification

B

Georeferencing

C

resampling

D

image calibration

Correct Answer

B

Marks

1

39

Question Description

Which of the following minerals do not crystallize in the Cubic crystal system?

A

Galena

B

Leucite

C

Spinel

D

Diamond

Correct Answer

B

Marks

1

40	Question Description	Syn-sedimentary deformational structures are a result of:
	A	Low sedimentation rate
	B	Marine Transgression
	C	High sedimentation rate
	D	Marine regression
	Correct Answer	C
	Marks	1

41	Question Description	The diagenetic environment lying below the land surface and above the water table where pore spaces contain both water and air is called.....
	A	Zone of saturation
	B	Vadose zone
	C	Aquifuge
	D	Zone of depression
	Correct Answer	B
	Marks	1

42	Question Description	Heat producing elements in the crust are
	A	Al-Fe-Mn
	B	Zr-Ti-Hf
	C	K-Th-U
	D	Mg-Ca-Na
	Correct Answer	C
	Marks	1

43	Question Description	_____ describes the best approximation of shape of the earth
	A	Spheroid
	B	Ellipsoid
	C	prolate ellipsoid
	D	Oblate spheroid
	Correct Answer	D
	Marks	1

44	Question Description	Pycnocline indicates the vertical distribution of
	A	Density
	B	Oxygen
	C	Salinity
	D	Temperature
	Correct Answer	A
	Marks	1

45	Question Description	The depositional feature that forms where a stream emerges from a mountainous region onto a plain is called
	A	Natural levee
	B	Alluvial fan
	C	Delta
	D	Point bar
	Correct Answer	B
	Marks	1

46	Question Description	Swallow Tail Twines-(100) commonly present in
	A	Albite
	B	Microcline
	C	Calcite
	D	Gypsum
	Correct Answer	D
	Marks	1

47	Question Description	Terebratula belongs to Phylum.....
	A	Mollusca
	B	Brachiopoda
	C	Arthropoda
	D	Echinodermata
	Correct Answer	B
	Marks	1

48	Question Description	_____ is a spatial analysis function used to extract features and their attributes from one layer using a polygon from another as the boundary of the output?
	A	Merge
	B	Union
	C	Join
	D	Clip
	Correct Answer	D
	Marks	1

49	Question Description	Excess of nitrate in drinking water causes a disease known as
	A	Silicosis
	B	Fluorosis
	C	Blue-baby syndrome
	D	Diarrhea
	Correct Answer	C
	Marks	1

50

Question Description	Which of the following rocks makes most of the upper mantle of the Earth?
A	Basalt
B	Gabbro
C	Dunite
D	Peridotite
Correct Answer	D
Marks	1

51

Comprehension

Shakespeare did not rely on the stage-carpenter or the scenic painter. He puts his scenery in his lines. There you will find mountains and river and seas, valleys and cliffs, violets and clouds, and over all “the firmament fretted with golden fire.” He cared little for plot, little for surprise. He did not rely on stage effects or red fire. The plays grow before your eyes and they grow as the morning comes. Plot surprises but once. There must be something in the play besides surprise. The plot in an author is a kind of strategy – that is to say, a sort of cunning—and cunning does not belong to the highest natures. There is in Shakespeare such a wealth of thought that the plot becomes almost immaterial; and such is this wealth that you can hardly know the play—there is too much. After you have heard it again and again. It seems as pathless as an untrodden forest.

Question Description

As per the implicit meaning of the above passage, Shakespeare

A

did not trust his stage-carpenter

B

disapproved of the scenic painter

C

preferred to have very little stage design

D

complemented stage design with verbal expression

Correct Answer

D

Marks

1

52

Comprehension

Shakespeare did not rely on the stage-carpenter or the scenic painter. He puts his scenery in his lines. There you will find mountains and river and seas, valleys and cliffs, violets and clouds, and over all “the firmament fretted with golden fire.” He cared little for plot, little for surprise. He did not rely on stage effects or red fire. The plays grow before your eyes and they grow as the morning comes. Plot surprises but once. There must be something in the play besides surprise. The plot in an author is a kind of strategy – that is to say, a sort of cunning—and cunning does not belong to the highest natures. There is in Shakespeare such a wealth of thought that the plot becomes almost immaterial; and such is this wealth that you can hardly know the play—there is too much. After you have heard it again and again. It seems as pathless as an untrodden forest.

Question Description

The passage shows that Shakespeare

A

wrote plays where the plot is immaterial

B

avoids an element of surprise in his plot

C

wrote complex, dense and intriguing plays

D

confuses the reader as the play moves on

Correct Answer

C

Marks

1

Comprehension

Shakespeare did not rely on the stage-carpenter or the scenic painter. He puts his scenery in his lines. There you will find mountains and river and seas, valleys and cliffs, violets and clouds, and over all “the firmament fretted with golden fire.” He cared little for plot, little for surprise. He did not rely on stage effects or red fire. The plays grow before your eyes and they grow as the morning comes. Plot surprises but once. There must be something in the play besides surprise. The plot in an author is a kind of strategy – that is to say, a sort of cunning—and cunning does not belong to the highest natures. There is in Shakespeare such a wealth of thought that the plot becomes almost immaterial; and such is this wealth that you can hardly know the play—there is too much. After you have heard it again and again. It seems as pathless as an untrodden forest.

Question Description

Identify the most obvious figure of speech in the statement, “the firmament fretted with golden fire.”

A

alliteration; metaphor; hyperbole

B

transferred epithet; simile; personification

C

hyperbole; personification; simile

D

simile; alliteration; hyperbole

Correct Answer

A

Marks

1

54

Comprehension

Shakespeare did not rely on the stage-carpenter or the scenic painter. He puts his scenery in his lines. There you will find mountains and river and seas, valleys and cliffs, violets and clouds, and over all “the firmament fretted with golden fire.” He cared little for plot, little for surprise. He did not rely on stage effects or red fire. The plays grow before your eyes and they grow as the morning comes. Plot surprises but once. There must be something in the play besides surprise. The plot in an author is a kind of strategy – that is to say, a sort of cunning—and cunning does not belong to the highest natures. There is in Shakespeare such a wealth of thought that the plot becomes almost immaterial; and such is this wealth that you can hardly know the play—there is too much. After you have heard it again and again. It seems as pathless as an untrodden forest.

Question Description

The statement, “It seems as pathless as an untrodden forest,” refers to

A

the dramatic talent of Shakespeare

B

the Shakespearean drama as a whole

C

the value of strategy in writing a play

D

the wealth of thought in Shakespeare’s plays

Correct Answer

D

Marks

1

55

Comprehension

Shakespeare did not rely on the stage-carpenter or the scenic painter. He puts his scenery in his lines. There you will find mountains and river and seas, valleys and cliffs, violets and clouds, and over all “the firmament fretted with golden fire.” He cared little for plot, little for surprise. He did not rely on stage effects or red fire. The plays grow before your eyes and they grow as the morning comes. Plot surprises but once. There must be something in the play besides surprise. The plot in an author is a kind of strategy – that is to say, a sort of cunning—and cunning does not belong to the highest natures. There is in Shakespeare such a wealth of thought that the plot becomes almost immaterial; and such is this wealth that you can hardly know the play—there is too much. After you have heard it again and again. It seems as pathless as an untrodden forest.

Question Description

Read the following statement and identify, from the given options, its implicit significance within the passage as a whole: “The plot in an author is a kind of strategy- that is to say, a sort of cunning-and cunning does not belong to the highest natures.”

- A** Shakespeare is hardly using any plot strategy or cunning in his plays
- B** Shakespeare, like other authors, needs to have a strategy to write his plays
- C** Shakespeare as a playwright of highest nature uses minimal plot or surprise
- D** Shakespeare as an extraordinary playwright did not need plot or surprise

Correct Answer

C

Marks

1

56

Question Description	'Mission Vatsalya' for women who lost their husbands due to COVID-19 has been launched in which state?
A	Madhya Pradesh
B	Maharashtra
C	Gujarat
D	Haryana
Correct Answer	B
Marks	1

57

Question Description	What is the name of the chatbot developed by Bharat Petroleum Corporation Ltd?
A	Sugar
B	Urja
C	Vijay
D	Sathi
Correct Answer	B
Marks	1

58

Question Description	Ohmium International has launched India's first green hydrogen electrolyzer giga factory at which city?
A	Kolkata
B	Bengaluru
C	Haridwar
D	Guwahati
Correct Answer	B
Marks	1

59

Question Description	The government of India has allowed Women to sit in which exam recently for the first time in India?
A	UPSC CSE
B	AFCAT
C	NDA
D	CDS
Correct Answer	C
Marks	1

60

Question Description	The State Bank of India (SBI) recently inaugurated an ATM on a Houseboat in which city?
A	Shillong
B	Guwahati
C	Srinagar
D	Kohima
Correct Answer	C
Marks	1

61

Question Description	India's highest altitude herbal park has been recently inaugurated in which state?
A	Uttarakhand
B	Uttar Pradesh
C	Haryana
D	Bihar
Correct Answer	A
Marks	1

62

Question Description	Haryana Chief Minister Manohar Lal Khattar has announced to rename which airport as Maharaja Agrasen International Airport?
A	Rohtak Airport
B	Hisar Airport
C	Chandigarh Airport
D	New Delhi Airport
Correct Answer	B
Marks	1

63

Question Description	The International Dog Day is celebrated on which date?
A	August 12
B	August 26
C	August 27
D	August 31
Correct Answer	B
Marks	1

64	Question Description	World Senior Citizen Day is found globally on which date?
	A	August 21
	B	August 23
	C	August 28
	D	August 24
	Correct Answer	A
	Marks	1
65	Question Description	Zair-Al-Bahr is a naval exercise between India and which country?
	A	Qatar
	B	Oman
	C	UAE
	D	USA
	Correct Answer	A
	Marks	1

66

Question Description

Our school district should not spend its money on the new remedial English reading program. After all, our students get all the reading practice they need by studying history and science.

The argument above depends on which the following assumptions?

A

The remedial English reading program would not help the students learn history and science.

B

Other reading programs are just as effective but less expensive than the remedial English reading program.

C

The remedial English reading program involves only reading practice.

D

Teaching students history and science is more important than teaching them reading skills.

Correct Answer

A

Marks

1

67

Question Description

Each of these questions contains six statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

- A. Laxman is a man.
- B. Meera is Laxman's wife.
- C. Some women are islands.
- D. No man is an island.
- E. Meera is not an island.
- F. Laxman is not a island.

A

ADE

B

ABE

C

ADF

D

CDE

Correct Answer

C

Marks

1

68	Question Description	There is clear evidence that the mandated use of safety belts has resulted in fewer fatalities over the past five years. Compared to the five-year period prior to the passage of laws requiring the use of safety seats, fatalities of this kind have decreased by 30 percent. Which one of the following, if true, most substantially strengthens the argument above?
	A	The number of serious automobile accidents involving use of safety belts has remained steady over the past five years.
	B	Automobile accidents involving use of safety belts have decreased sharply over the past five years.
	C	The use of air bags in automobiles has increased by 30 percent over the past five years.
	D	Most fatal automobile accidents involving use of safety belts occur in the driveway of their home.
	Correct Answer	B
	Marks	1

69	Question Description	Efficiency of A is twice as that of B. If they work together, they can complete a job in 18 days. If A alone does the job, in how many days he will complete the job?
	A	27 days
	B	36 days
	C	40 days
	D	54 days
	Correct Answer	D
	Marks	1

70	Question Description	Gopal went to a fruit market with certain amount of money. With this money he can buy either 50 oranges or 40 mangoes. He retains 10% of the money for taxi fare. If he buys 20 mangoes, then the number of oranges he can buy is
	A	25
	B	20
	C	18
	D	6
	Correct Answer	B
	Marks	1

71	Question Description	A third standard teacher gave a simple multiplication exercise to the kids. But one kid reversed the digits of both the numbers and carried out the multiplication and found that the product was exactly the same as the one expected by the teacher. Only one of the following pairs of numbers will fit in the description of the exercise. Which one is that?
	A	14, 22
	B	13, 62
	C	19, 33
	D	42, 28
	Correct Answer	B
	Marks	1

Question Description

Each of these questions contains six statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

- A. College students are intelligent.
- B. Intelligence is a collegian's attribute.
- C. Ram's sister is a college student.
- D. Ram is a college student.
- E. All intelligent persons go to college.
- F. Ram is an intelligent person.

A

ADF

B

BCD

C

ABF

D

ABD

Correct Answer

A

Marks

1

73

Comprehension

A professor keeps data on the students tabulated by performance and sex of the student. The data is kept on a computer disc but the professor loses some of the data due to a virus. Only the following information could be recovered.

	Performance			Total
	Average	Good	Excellent	
Male			10	
Female				32
Total		30		

An expert committee was formed which verified the following:

Half the students were either excellent or good.

40% of the students were females.

One-third of the male students were average.

Question Description

How many students are female and excellent?

A

0

B

8

C

16

D

32

Correct Answer

A

Marks

1

74

Comprehension

A professor keeps data on the students tabulated by performance and sex of the student. The data is kept on a computer disc but the professor loses some of the data due to a virus. Only the following information could be recovered.

	Performance			Total
	Average	Good	Excellent	
Male			10	
Female				32
Total		30		

An expert committee was formed which verified the following:

Half the students were either excellent or good.

40 % of the students were females.

One-third of the male students were average.

Question Description

What proportion of good students are males?

A

0

B

0.73

C

0.4

D

1

Correct Answer

B

Marks

1

75

Comprehension

A professor keeps data on the students tabulated by performance and sex of the student. The data is kept on a computer disc but the professor loses some of the data due to a virus. Only the following information could be recovered.

	Performance			Total
	Average	Good	Excellent	
Male			10	
Female				32
Total		30		

An expert committee was formed which verified the following:

Half the students were either excellent or good.

40 % of the students were females.

One-third of the male students were average.

Question Description

What proportion of female students is good?

A

0

B

0.25

C

0.5

D

1

Correct Answer

B

Marks

1